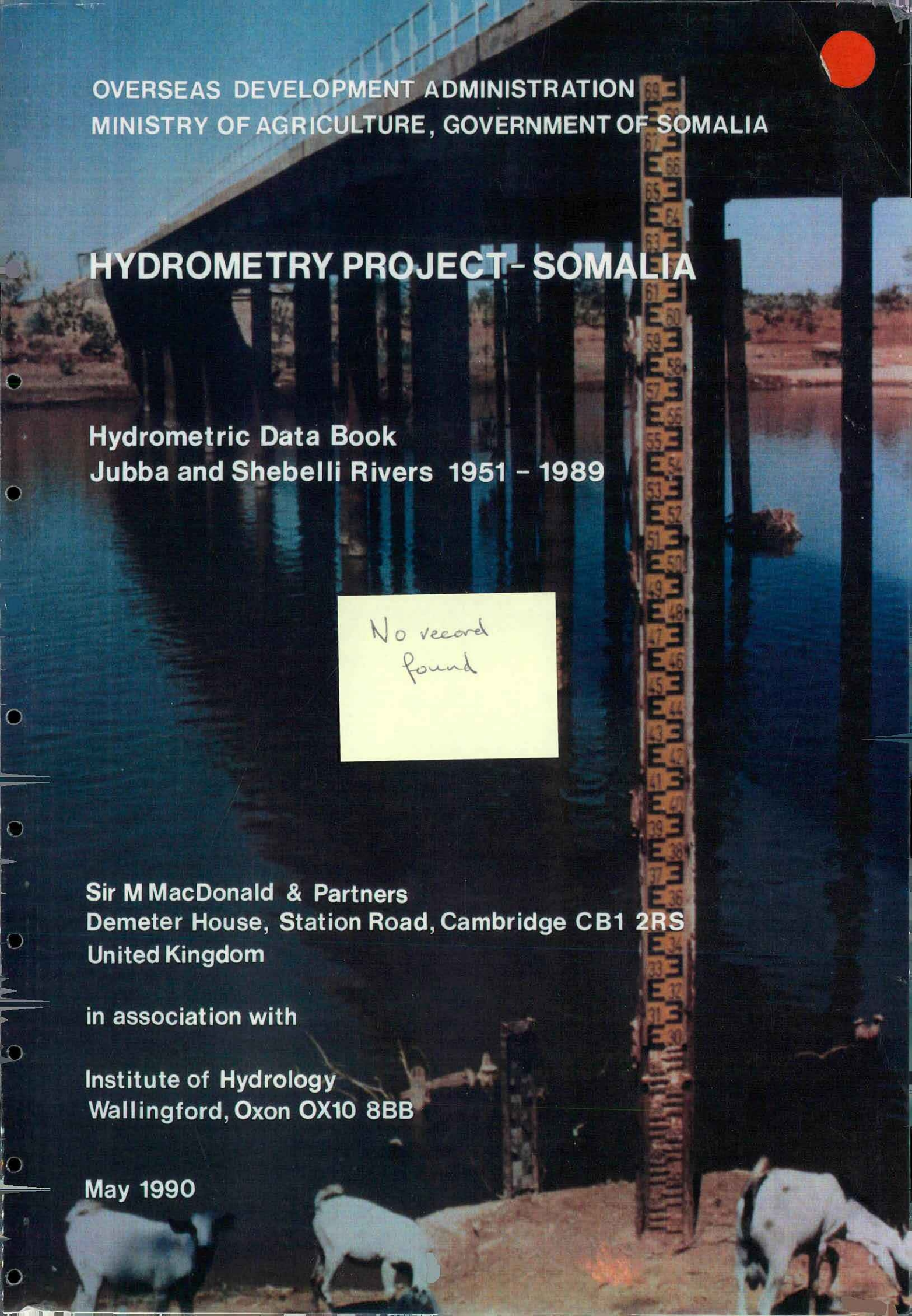

OVERSEAS DEVELOPMENT ADMINISTRATION
MINISTRY OF AGRICULTURE, GOVERNMENT OF SOMALIA

HYDROMETRY PROJECT - SOMALIA

Hydrometric Data Book
Jubba and Shebelli Rivers 1951 - 1989

No record found

Sir M MacDonald & Partners
Demeter House, Station Road, Cambridge CB1 2RS
United Kingdom

in association with

Institute of Hydrology
Wallingford, Oxon OX10 8BB

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FOREWORD

This Data Book was compiled during the Somalia Hydrometry Project which was supported by the British Overseas Development Administration between 1983 and 1990. The data may be copied or used for analysis provided that acknowledgement is given to :

The Director of Irrigation and Land Use
Ministry of Agriculture
Mogadishu
Somali Democratic Republic

The Director would also appreciate copies of any published or unpublished papers or reports utilising the data.

CONTENTS

Location map

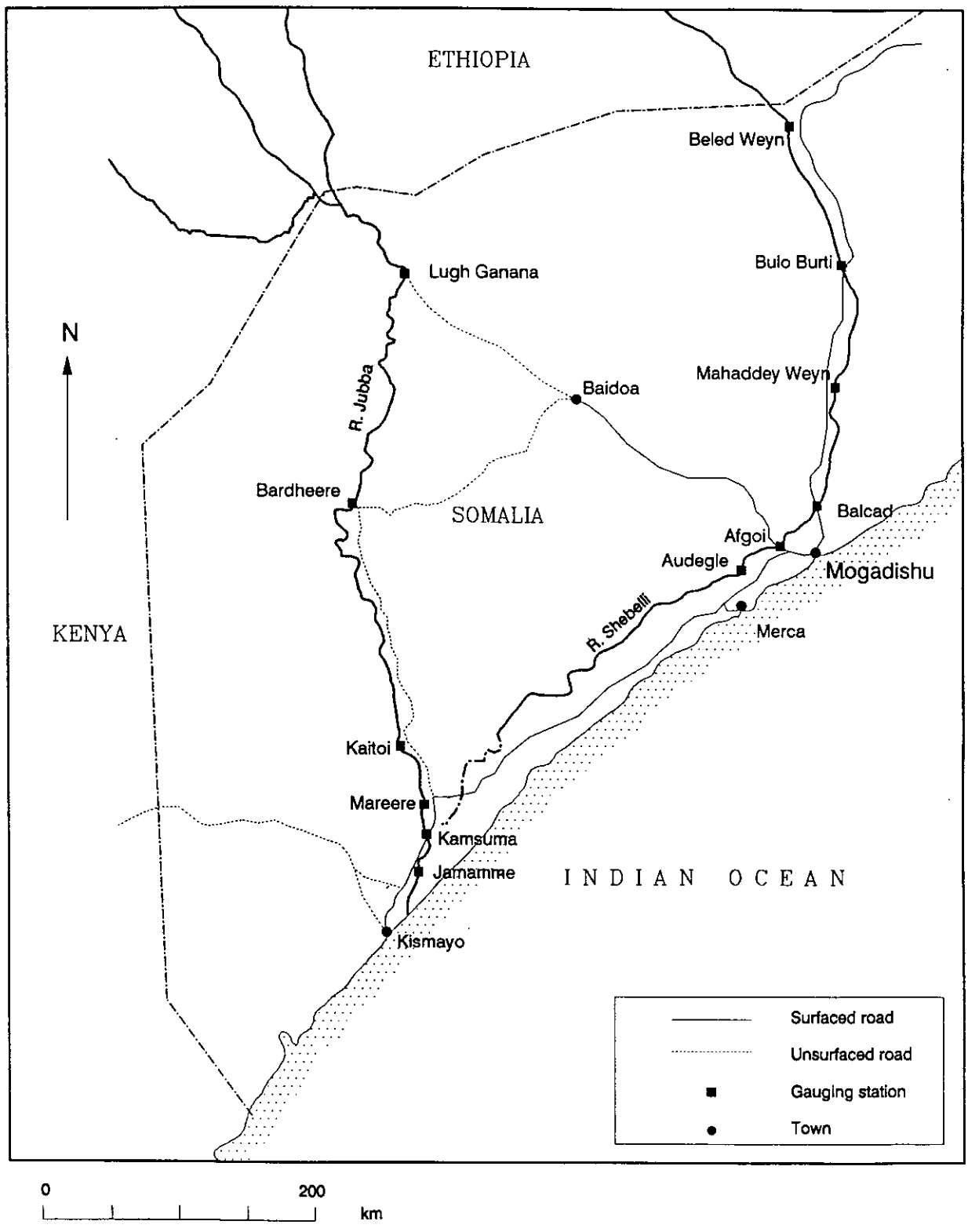


Figure 1

1. INTRODUCTION

This data book contains estimates of daily and monthly flows (discharges) at selected gauging stations on the Jubba and Shebelli rivers for varying periods between 1951 and 1989. It supersedes previous publications by the Hydrometry Project which contained provisional data only, and should also be preferred to other published daily and monthly data which will have been based in part on unchecked original data. For this volume all data has been checked, with errors corrected and missing values infilled where possible; it is also the first time that all the data has been collected in one volume. Figure 1 shows the locations of the gauging stations and Table 1 summarises their main hydrological characteristics.

The data checking and infilling work was carried out as part of the Somalia Hydrometry Project which was instituted and supported by the Overseas Development Administration (ODA), as part of the British Government's programme of Technical Cooperation with Developing Countries. Staff from Sir M. MacDonald and Partners (now part of Mott MacDonald International Limited) and the Institute of Hydrology provided technical assistance and training to the Hydrology Section of the Department of Irrigation and Land Use (DILU) in the Ministry of Agriculture in Mogadishu. This support was on an intermittent basis from late 1983 to mid 1986 and full-time from 1988 to 1990. The continued support of the ODA and of the Director of Irrigation and Land Use is gratefully acknowledged.

Data Availability

1951 - 1962

Records are available from 1951 for two stations - Lugh Ganana on the river Jubba and Beled Weyn on the river Shebelli. These stations are the furthest upstream within Somalia and lie within about 50 km of the Ethiopian border. Since virtually all the river flow in Somalia derives from rainfall in Ethiopia (there being no significant tributaries within Somalia) these are very important sites for the evaluation of water resources available in Somalia. However, records from 1951 to 1962 are intermittent and of uncertain accuracy; there are no records from other stations against which the data can be checked and the information about the gauge zeroes is sparse. For this period it was necessary to make two major assumptions: firstly that the staff gauges were at the same zero levels as those in use from 1963 onwards (a few file notes give good reason to support this assumption, particularly for Lugh Ganana), and secondly that the stage-discharge relationship was also the same as in the later period. Consequently, the data presented in this book for 1951 to 1962 is much less reliable than for later years. In general the data for Lugh Ganana appears to be good from 1951 until about 1957, but thereafter is of poor or very poor quality. At Beled Weyn the pattern is similar - data for the early fifties is fairly good but from 1957 the quality deteriorates, though not to the same extent as the record at Lugh Ganana.

1963 - 1989

Most of the remaining gauging stations were established in 1963 and the hydrometric network has remained largely unchanged to the present day. The maintenance of these stations over the following 27 years has been irregular so that there are inevitably periods

of missing or unreliable stage records. These generally correspond to periods between foreign-funded projects. Measurements of discharge have also been restricted to particular periods so that changes in station controls (and hence rating equations) may not have been properly identified. These matters are covered in detail in other reports by the Hydrometry Project.

Data Checking

From 1963 onwards the data for each station has been cross-checked against the records for other stations upstream and/or downstream. To facilitate this work, computer models were developed for each river. A separate report covers this modelling work in detail. The models allowed periods of doubtful data to be identified, which were then checked against the original records. In many cases it was found that errors had been made in interpretation of the records (e.g. confusion between staff gauge and bridge dip records) or in entry of the data to the computer; wherever possible, these errors were corrected. For some periods, it was found that data had been fabricated, or that whole months of data had been copied from previous observations. All such doubtful values were deleted. In addition to these corrections it was necessary to delete some further periods of data where the records differed so much from those at other stations that the data is assumed to have been incorrect. Where data was available for three or more stations it was usually easy to identify erroneous values, but where only one or two stations had data, doubtful values often had to be accepted. The comments in the data tables indicate these periods of doubtful data.

The amount of original data retained after this checking procedure varied substantially from station to station. The most complete records are for Beled Weyn and Afgoi on the Shebelli, each having around 90 % original data; Mareere on the Jubba has a similar level from its introduction in 1977. The most complete record for the whole period on the Jubba is for Lugh Ganana with 75 % original data. Figures 2a and 2b show the percentages of original data for each station in each year while Figure 3 presents the average per year for each river. These graphs clearly show the relative completeness of records for different stations, and also indicate the periods for which original data is limited. On the Shebelli the returns in the mid to late seventies were very poor, and this is reflected in the reliability of the data contained in this book. There was a dramatic improvement in 1980/81 when the network was rehabilitated under FAO funding; this has been largely maintained by the Hydrometry Project. On the Jubba the pattern is a little different, reflecting a slightly different set of projects. There is no data at all for much of 1968 and 1969 (when there was an FAO project restricted to the Shebelli), but records in the early to mid seventies were better as a result of a separate project concentrating on the Jubba valley. The 1980/81 improvement again stands out, but this was followed by two very poor years before the start of the Hydrometry Project. The apparent decline in returns in 1988/89 for the Jubba as a whole is due to the restarting of readings at Kamsuma and Jamamme in mid-year; the returns for the other three stations remained very nearly complete.

Infilling of Missing Data

Where possible, periods of missing or obviously erroneous data were infilled using the computer models; such values are marked as estimates on the printouts of daily discharge. Because lateral inflow to the Shebelli in Somalia is very rare in the upper reaches and

virtually non-existent in the lower reaches it was generally possible to estimate flows at one station from those at one further downstream, though modelling from an upstream station was preferred. On the Jubba, lateral inflow is also rare, but is relatively more significant, so infilling from a downstream station was treated with additional caution. The over-riding consideration was that estimates were inserted where possible because even slightly inaccurate estimates were considered to be preferable to leaving gaps in the record. On the Shebelli it was possible to produce estimates for all missing periods from the start of 1963, but on the Jubba two periods (most of January 1963 and about two years in 1967-69) remain as missing data because no information was available for any station.

Data Accuracy

It will be noted that at times flows at a downstream station exceed those upstream, even though there has not been any lateral inflow. This is normally due to uncertainties in the rating equations (which have been derived from irregular measurements of discharge). For extensive periods during the Gu and Der flood seasons it is normal for the stations in the lower Shebelli to display a flat-topped hydrograph because of overbank spillage in the upper reaches. The level may vary from year to year because of the state of the bunds or channel scouring/deposition, so apparent changes in peak flows from year to year are unlikely to be significant. There is also a topping-out effect in the lower Jubba, though such periods are usually much shorter than on the Shebelli. The magnitude of low flows is similarly subject to considerable uncertainty; bed levels change substantially from year to year so that the stage-discharge relationship is liable to change (particularly at low levels), but with few measurements of discharge available this cannot be quantified. This means that the quality of the data is probably insufficient for detailed analysis of low flow return periods, and it is certainly inadequate for assessment of inter-station losses.

Guide to the data tables

The data tables present daily mean and monthly mean flows for each of the twelve gauging stations. The monthly mean flow tables are collected together in Section 2 and the daily mean flow tables are presented separately for each station in Section 3. Section 3 also gives summary plots of all the daily mean flow data for each station. Throughout the databook, all flows are shown in units of cubic metres per second (sometimes written as cumecs or m^3/s). A distinction is made between measured flow values (original data) and estimated values (values estimated using computer models). In all cases, original flow values were calculated from river level, i.e. stage, readings using a stage-discharge relationship, often referred to as a rating or rating equation. Stage values were generally recorded by an observer using either a staff gauge or a bridge dip meter. The main exception is for Lugh Ganana and Bardheere on the river Jubba where, for some periods in 1988 and 1989, levels were obtained from automatic loggers reading at hourly intervals. It is thought that, for some periods in 1980 and 1981, levels may have been obtained from chart recorders, but exact details are not known. Currently, for the manually operated stations, three stage readings are made per day, nominally at 0600, 1200 and 1800 (although, often, only one true reading is taken, with the other two set the same or interpolated). During the 1960's and 1970's, observers at some stations were required to take only one reading per day. Since 1984, observers have noted stage values on weekly record cards which are sent to the Department of Irrigation and Land Use in Mogadishu for processing and entry onto a computer database.

The rating equations for the gauging stations have in most cases been established by making many simultaneous measurements of river level and river flow. The main exception is Mareere on the river Jubba, where measurements were only available for very low river levels, and the rating equation was derived by extrapolation and correlation with data from Kaitoi. For all stations, river flows were measured indirectly by making measurements of flow velocity and water depth at several points across the river. Velocities were in all cases measured using a propellor meter (either hand held or suspended from a bridge or cableway). The rating equations, and their accuracy, are discussed further in the final report of the Somalia Hydrometry Project.

Daily data tables

The daily data tables show daily mean flows for each station for each year for which data is available. Daily mean flows apply to the time period 0000 to 2400 and are estimated using the following algorithm. Firstly, the stage readings for the times 0000 and 2400 are estimated either by interpolation or extrapolation. These readings, and the measured stage values, are then converted to instantaneous flows using the appropriate rating equation for the period. These instantaneous values are then integrated to give the total daily flow which, finally, is converted to the mean flow for the day. In the data tables, all values calculated by this method are indicated to be original data and all other values are shown as estimated. Original data values have no flag (e.g. 57.1) whilst estimated values are indicated by the flag 'e' (e.g. 57.1e). The flag 'm' indicates a missing value; that is, no stage values were available for that day for the station, and an estimated value could not be calculated from any other station on the river. Each table summarises the number of original, estimated and missing values in the year and, where necessary, gives comments on the periods when data may be unreliable. Many of the comments refer to the two main flood seasons in Somalia, known locally as the Gu and the Der. The Gu generally starts between April and June and the Der starts between September and November.

In addition to the daily mean flows, the daily data tables also show the maximum, minimum and mean values of the daily mean flow for each month and year, and the total flows (in million cubic metres) for each month and year. Maximum, minimum and total values, and annual mean values, are calculated only if there are no missing daily values in the period. Monthly mean values, however, are calculated whenever there are 5 or fewer missing values in the month (this convention gives consistency with the monthly data tables ; see below). In the tables, a hyphen '-' indicates that no value could be computed. The daily data tables do not give values for peak flow, since these have little meaning when only 1, 2 or 3 stage readings are taken per day. In general, however, the maximum recorded flow is probably a good indication of the peak for both rivers, particularly at the lower stations, where the peak flow is often maintained for several days or weeks at a time. For the upper stations, some indication of the likely difference can be obtained from the hourly measurements made on the upper Jubba during 1988 and 1989 using automatic recorders. These measurements showed that the peak annual flow (as measured by the recorder) exceeded the maximum daily mean flow (as measured by staff gauge) by only 1-5 % on average. On the Shebelli, the difference is probably even smaller, since the Shebelli is generally more slowly varying than the Jubba.

Monthly data tables

The monthly flow tables are of a similar layout to the daily flow tables. Monthly mean flows are calculated directly from the daily mean flows. If one or more of the daily values is estimated, the monthly value is also flagged as estimated. If one or more of the daily values is missing, then the monthly value is calculated on the basis of the remaining daily values in the month. However, if there are more than 5 daily values missing in the month, no estimate is calculated. Annual mean flows are also shown if monthly mean values can be calculated for every month of the year. In addition to the monthly and annual mean flows, the tables also show the mean, maximum and minimum monthly mean flow for each month throughout the entire period covered by the table. For Lugh Ganana and Beled Weyn, these statistics are based on the data for 1963 to 1989 only, since the data for this period is generally more reliable than that for the period 1951 to 1962. Also, a blank line is inserted between the data for 1962 and 1963 as a reminder that the data quality improved after 1962. For all the other stations, a blank line indicates a gap in operation of the station.

Acknowledgements

In addition to the support of ODA and DILU, the work of the Hydrometry Project, and in particular the preparation of this Data Book, has benefitted extensively from the work of many previous projects. Of these the two most significant were projects supported by the Food and Agriculture Organisation (FAO) in 1963/64 and 1980/81. The former established the gauging network which has remained largely unaltered to the present day and in the latter the Consultant Hydrologist, B.A.P. Gemmell, undertook a very extensive programme of fieldwork, re-establishing several stations which had fallen into disrepair, and carrying out numerous discharge measurements so that reliable rating equations could be derived. Finally, none of the work would have been possible without the work over the years of the Ministry of Agriculture's local observers, many of whom have been keeping records for ten years or more.

Lugh Ganana

Uppermost station on the Jubba. Well defined rating. River levels received daily by radio in Mogadishu. Peak recorded flow approximately 1800 cumecs. Altitude 141m AMSL.

Bardheere

Station on mid Jubba. Approximately 2 days lag from Lugh Ganana but possibly slightly longer during flood events. Peak recorded flow approximately 1800 cumecs. River levels received daily by radio in Mogadishu. River valley well defined in reach Lugh Ganana - Bardheere so spillage losses small except during exceptional floods. Little irrigation in reach. Several tributaries flow into reach ; these are normally dry but can contribute considerable local runoff (several hundred cumecs) during local rainfall. Altitude 89m AMSL.

Kaitoi

Station first established in 1963 but only operated for two years. Re-established in 1972. Data generally of good quality but, since 1980, of no value for discharges due to construction of Fanoole barrage a short distance downstream. Approximately 3 days lag from Bardheere. Flow always in-bank ; bank full flow approximately 660 cumecs. Little irrigation in reach Bardheere - Kaitoi. Main spillage in reach occurs shortly upstream of Kaitoi.

Mareere

Station established in 1977 and operated by Jubba Sugar Project. Data of excellent quality but rating uncertain at high flows. Bank full flow approximately 625 cumecs. Much of reach from Kaitoi to Jamamme protected by flood bunds. Approximately 4 days lag from Bardheere. Since early 1980's, flows affected by abstractions by Fanoole irrigation project. Altitude 14m AMSL.

Kamsuma

Station established in 1972 by the Russian Selchozpromexport project and operated for 4 years. Re-established in 1988 by the Somalia Hydrometry Project. Flow always in-bank ; bank full flow approximately 510 cumecs. Data generally of good quality. Affected by pumped abstractions by Jubba sugar project and other smaller schemes.

Jamamme

Lowermost station on the Jubba. Established in 1963 but only operated intermittently since then. Flow always in-bank; bank full flow approximately 480 cumecs. Since mid 1980's, spillages upstream reduced by Mogambo flood relief canal. Low flows affected by pumped abstractions from Mogambo Irrigation scheme. Exceptionally, flows may be affected by drainage from the catchment of the lower Shebelli and by return flows from old river channels of the Jubba. Possibly some tidal influence at the station as it is at sea level.

TABLE 1 - Hydrological characteristics of the Jubba gauging stations

Beled Weyn

Uppermost station on the Shebelli. Well defined, stable rating for in-bank flows. Flood plain several kilometres wide so flood flows passing Beled Weyn can be considerably greater than indicated by rating. Peak recorded flow approximately 500 cumecs from rating, but actual peak flow estimated to be about 1400 cumecs. River levels received daily by radio in Mogadishu. Altitude 176m AMSL.

Bulo Burti

Important station for monitoring progress of floods. Approximately 2 days lag from Beled Weyn whilst flow in-bank, but much longer during flood events. Flood plain in reach Beled Weyn - Bulo Burti bounded by low hills so much of spilled flow returns as flood subsides. Little irrigation in reach. Several minor tributaries flow into reach ; these are normally dry but can contribute considerable runoff (typically less than 100 cumecs) during local rainfall. Altitude 134m AMSL.

Mahaddey Weyn

Important station for operation of Jowhar Offstream reservoir and SNAI sugar estate. Approximately 2 days lag from Bulo Burti but can be longer during flood events. Main spillage upstream of station occurs in region of Duduble flood relief canal. Little irrigation in reach Bulo Burti - Mahaddey Weyn. Flows at station always in-bank. Bank full flow increased from 1980 due (probably) to engineering works associated with construction of Jowhar Offstream reservoir. Bank full flow was approximately 140 cumecs until 1979 and 164 cubic metres per second from 1980. Altitude 105m AMSL.

Balcad

Operated until construction of Balcad barrage (in 1979 approx.). Well defined rating. Data intermittent but of good quality. Approximately 2 days lag from Mahaddey Weyn. Considerable irrigation in region of Balcad. Flow always in-bank ; bank full flow approximately 95 cumecs.

Afgoi

Nearest station to Mogadishu. Data quality generally good. Since 1980, low flows have been affected by releases from Jowhar Offstream Reservoir. Low flows also sometimes show weekly cycle (since 1987 approx.) due to irrigation abstractions upstream. Approximately 3 days lag from Mahaddey Weyn. Flow always in-bank ; bank full flow approximately 95 cumecs. Flood spillages occur mainly in the reach Mahaddey Weyn - Balcad but, since 1980, have been greatly reduced by operation of the supply canal to Jowhar Offstream reservoir. Altitude 77m AMSL.

Audegle

Lowermost station on the Shebelli. Many periods of missing or poor data. Rating affected since mid 1980's by collapse of road bridge and not yet fully re-established. Approximately 1 day lag from Afgoi. Low flows sometimes show same weekly cycle as at Afgoi. Many small scale irrigation schemes in reach Afgoi - Audegle. Flow always in-bank; bank full flow approximately 82 cumecs. Altitude 70m AMSL.

TABLE 1 (cont.) - Hydrological characteristics of the Shebelli gauging stations

River Jubba: Percentages of original data available for each station for the period 1963 - 1989

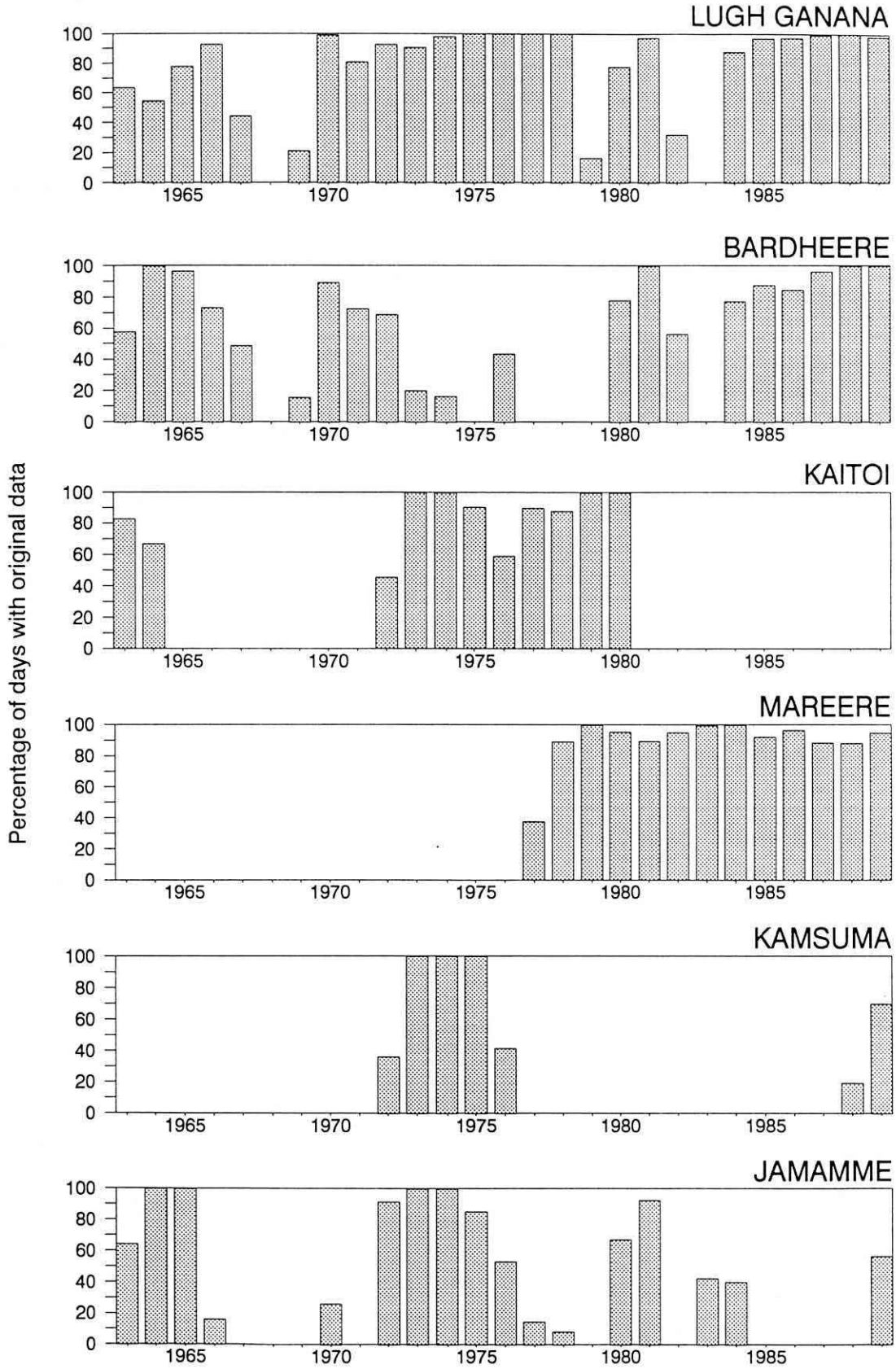


Figure 2a

River Shebelli: Percentage of original data available for each station for the period 1963 - 1989

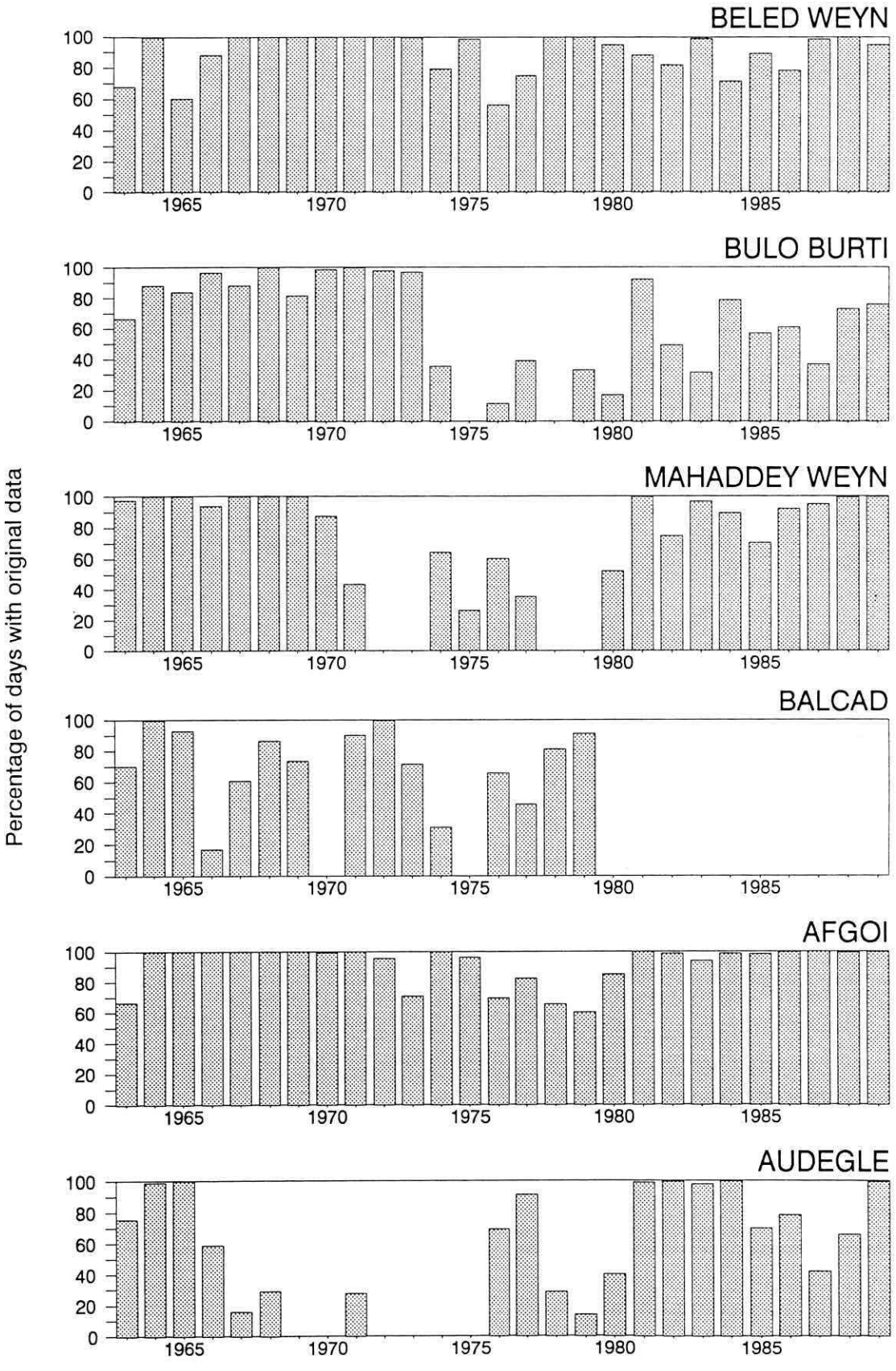


Figure 2b

Average percentages of original data available for all stations for the period 1963 - 1989 (a) River Jubba (b) River Shebelli

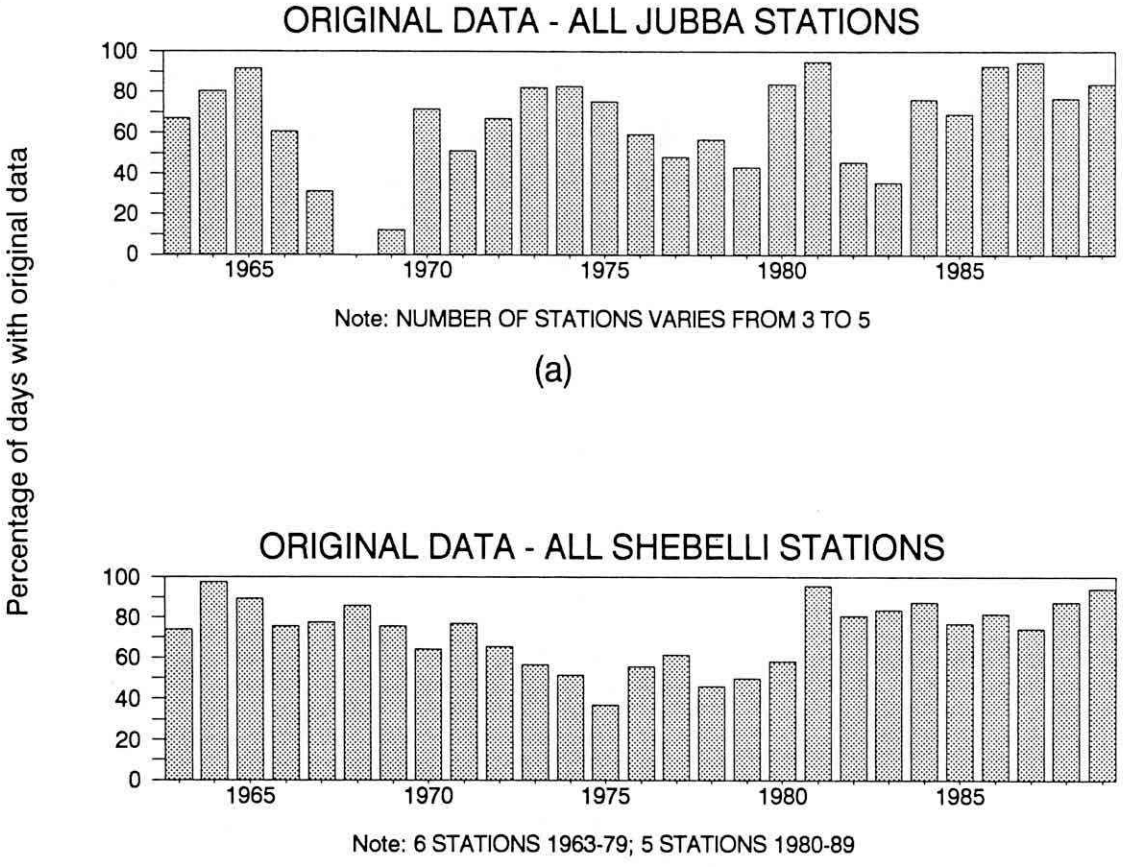


Figure 3

2. MONTHLY FLOW TABLES

River Jubba at Lugh Ganana

Monthly mean flows (cubic metres per second)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean
1951	m	m	m	362.6	583.6	257.4	196.3	324.4	250.2e	573.5	459.6	268.8e	-
1952	108.0e	46.8e	27.0e	97.9	247.8e	138.1	156.3e	260.0e	376.2e	608.9e	277.9e	92.8e	203.8
1953	46.7	25.0e	22.5	52.1	199.7	125.7e	266.9	447.0e	203.2e	256.7e	339.6	112.6	176.0
1954	59.0	25.7e	19.4	239.8	230.2	190.4	290.6	475.7	490.8	560.5	183.2e	137.4e	243.3
1955	62.8	57.5	m	65.2e	142.5e	53.0e	110.8e	228.0	287.8e	429.2	220.6	105.1e	-
1956	75.6	m	m	m	260.7e	155.7e	186.9e	328.4e	354.8e	741.8e	306.5e	120.3e	-
1957	65.7e	47.5e	88.4e	109.2e	365.3e	276.7e	253.4e	277.8e	198.1e	235.0e	274.5e	212.4e	201.4
1958	83.2e	m	m	m	m	m	m	m	421.1e	m	m	m	-
1959	m	m	m	m	m	243.5e	229.0e	m	445.0e	551.7e	516.3e	m	-
1960	m	m	m	m	m	m	m	m	257.9e	m	m	m	-
1961	m	m	m	m	m	m	m	490.4e	401.5e	601.3e	773.7e	469.9e	-
1962	m	m	m	109.5e	245.1e	93.2e	134.6	214.3e	270.7e	m	m	m	-
1963	m	15.1e	14.1e	311.1e	485.1	218.2	181.0	194.9	174.7	222.5	226.6	266.7e	-
1964	86.8e	31.8e	13.9e	109.4e	130.9	147.4	128.3e	315.9	262.0	518.6	229.5e	159.7e	178.5
1965	126.1e	34.4e	9.1e	16.3	63.5	31.8	59.8e	110.3e	138.9	588.6	436.3	126.5	145.9
1966	35.8	31.6	54.1e	152.5e	229.9	161.6	144.2	216.8	354.6	224.2	245.7	73.4	160.7
1967	19.2	5.9e	5.6e	79.3e	241.9e	115.1e	214.4	387.0	348.7	m	m	m	-
1968	m	m	m	m	m	m	m	m	m	m	m	m	-
1969	m	m	m	m	m	m	m	m	m	254.8e	180.1	55.4	-
1970	16.7	5.7	62.0	240.9e	338.9	200.1	184.5	251.7	378.3	619.2	505.9	76.0	240.9
1971	27.8e	13.4e	5.3e	56.8e	211.8	169.0e	248.0	231.8	268.5	610.4	456.0	147.0	205.0
1972	64.0	53.4	36.8	123.0	331.7	236.6	240.6	283.3	261.1	337.0	401.0	144.3e	209.8
1973	49.6	21.5	9.6	10.8	79.2	94.4	127.5	301.3	306.2e	427.3	233.4	67.2e	144.8
1974	26.7	12.8	13.0	130.8	117.5	193.3e	200.9e	209.0	337.9	211.1	170.5	44.7	139.3
1975	15.7	7.3	3.1	62.5	119.0	147.3	200.4	379.8	328.5	372.1	224.1	68.0	161.6
1976	26.3	11.6	7.5	42.9	475.1	245.4	231.7	214.4	232.5	235.1	360.1	93.3	181.8
1977	50.0	56.6	23.7	268.9	333.2	364.9	244.3	303.5	389.5	615.4	1079.7	259.4	332.6
1978	75.8	38.6	200.6	139.6	269.8	122.8	352.7	363.0	283.7	623.9	326.3	157.1	248.2
1979	66.4	81.2	75.9e	188.3e	208.6e	230.8e	146.1e	166.5e	101.2e	178.8e	169.5e	52.4e	138.9
1980	22.4e	11.3e	6.7e	18.1	115.8	85.1	151.1	121.9	130.0	178.5	102.9	33.8e	81.8
1981	8.7e	2.7	126.9	794.3	597.6	124.9	122.6	249.7	402.9	428.9	177.9	54.9	258.5
1982	29.1e	22.2e	17.3e	144.8e	381.2e	394.5e	248.7e	226.4	214.0	530.4e	361.0e	236.7e	235.1
1983	97.2e	76.8e	40.0e	73.9e	357.1e	342.9e	257.9e	290.0e	400.5e	544.6e	503.6e	154.7e	262.4
1984	47.7	18.1	8.7e	11.7e	51.3e	86.9e	79.1	159.5e	276.2	240.5e	104.6e	40.1e	93.8
1985	13.0	5.0	1.6	195.6e	495.3	185.4e	181.9	265.7	171.9	242.2	130.5e	49.0	162.6
1986	16.2	5.9	10.3	135.5	285.3	296.2e	224.1e	185.7e	271.6	274.5e	139.4	57.6e	159.2
1987	19.3	7.7	16.6	119.5	484.5e	510.5	196.3	121.2	151.3	303.0	271.1	76.1	190.5
1988	31.4	16.3	11.4	67.0	139.5	90.3	196.2	325.4	251.6	498.9	214.8	60.3	159.4
1989	25.4	17.3	10.7	266.4	334.7	161.2	173.9	190.5e	331.2e	508.4	301.9	218.3e	212.7
Mean	41.6	24.2	31.4	150.4	275.1	198.3	189.5	242.6	270.7	391.6	302.1	110.9	187
Maximum	126.1	81.2	200.6	794.3	597.6	510.5	352.7	387.0	402.9	623.9	1079.7	266.7	
Minimum	8.7	2.7	1.6	10.8	51.3	31.8	59.8	110.3	101.2	178.5	102.9	33.8	

Comments : Flag m - more than 5 daily values missing; Flag e - one or more daily values estimated or missing
Data quality possibly doubtful 1951-57; data often unreliable 1958-62
Summary statistics based on data for the period 1963 -1989 only

River Jubba at Bardheere

Monthly mean flows (cubic metres per second)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean
1963	m	17.2e	15.8e	274.6e	490.7e	180.4e	158.1	181.5	169.2	205.8	221.5	265.0	-
1964	94.9	35.7	16.3	105.0	132.1	145.3	133.8	299.3	250.4	499.2	262.2	144.4	177.2
1965	120.6e	40.9	19.2	27.0	78.1	42.2	61.8	108.0	138.6	588.4	527.4	162.9	160.3
1966	53.6	31.6	59.0	129.9	253.1e	186.4e	143.1e	205.8e	356.4e	249.0	285.7	100.7	171.6
1967	34.4	20.2e	19.8e	73.4	241.5	88.8e	162.9e	328.9	289.4	m	m	m	-
1968	m	m	m	m	m	m	m	m	m	m	m	m	-
1969	m	m	m	m	m	m	m	m	m	242.6e	192.8e	51.7e	-
1970	15.5e	38.0	53.3e	194.0	312.4	166.5	159.2	205.5e	349.5	545.9	538.6	82.1	222.2
1971	30.4e	15.5e	7.5e	57.6e	183.3	152.6	207.4e	182.8e	226.4	513.3e	485.1	139.2	184.3
1972	49.6	38.4	29.2	98.9e	326.5e	256.7e	208.7	240.5	227.3	300.3e	411.7e	161.6e	196.1
1973	41.0	18.2e	10.6e	11.5e	75.6e	104.9e	118.1e	288.2e	314.4e	416.1e	253.0e	64.3e	143.7
1974	24.5e	21.8e	9.3e	136.0e	115.7e	198.1e	195.5e	202.0e	292.9e	221.3e	179.1e	55.0e	137.8
1975	24.3e	15.3e	11.1e	56.7e	115.9e	155.7e	195.8e	369.3e	331.8e	355.8e	247.1e	79.7e	164.1
1976	35.0e	19.7e	15.5e	44.7e	430.2e	264.5e	196.5	184.6e	199.5	197.7e	329.4e	83.3	167.0
1977	47.9e	63.9e	32.4e	261.3e	312.3e	366.2e	245.0e	299.2e	378.0e	561.5e	1074.5e	298.7e	328.5
1978	83.9e	46.5e	191.1e	146.5e	267.4e	128.0e	331.7e	366.4e	286.5e	577.0e	349.8e	178.5e	248.0
1979	73.7e	85.8e	69.6e	191.8e	198.3e	243.8e	152.9e	168.5e	103.5e	166.8e	188.5e	57.6e	141.7
1980	27.2e	12.2e	4.9e	9.8	130.0	75.6	142.0	110.1	125.0	161.1	107.0	35.9	78.7
1981	13.0	4.1	166.1	806.1	804.7	179.8	136.5	277.7	442.6	468.8	195.0	51.3	296.7
1982	20.1e	15.7e	16.4e	132.6e	370.4e	410.4e	318.3	288.9e	278.4e	688.3e	382.5	244.8e	265.5
1983	107.1e	79.6e	43.4e	55.9e	343.5e	366.0e	258.0e	278.8e	404.9e	530.6e	529.6e	179.3e	265.4
1984	70.4e	38.5e	21.9e	30.7	125.2	104.6	92.4	181.1	291.2	290.1	146.8	57.9	121.1
1985	27.7	14.6	8.5e	203.2	605.0	219.4e	201.6	293.4	189.1	284.1	163.1e	72.9e	191.6
1986	25.7e	12.5e	15.2e	165.1	292.7	324.5	255.5	190.4	294.8	299.5	161.8	72.6	176.6
1987	32.5	16.5	18.9	125.2	490.1	653.4e	222.7	142.2	183.3	339.5	337.5	97.5	222.2
1988	43.5	22.6	18.1	107.3	178.7	114.8	218.6	366.2	283.8	551.3	279.3	79.1	189.4
1989	37.7	25.7	27.9	269.9	481.3	180.5	191.6	222.5	356.3	601.5	399.6	271.4	256.9
Mean	47.3	30.0	36.0	148.6	294.2	212.4	188.3	239.3	270.5	394.2	330.0	123.5	194
Maximum	120.6	85.8	191.1	806.1	804.7	653.4	331.7	369.3	442.6	688.3	1074.5	298.7	
Minimum	13.0	4.1	4.9	9.8	75.6	42.2	61.8	108.0	103.5	161.1	107.0	35.9	

Comments : Flag m - more than 5 daily values missing; Flag e - one or more daily values estimated or missing
Original data very unreliable in 1970's

River Jubba at Kaitoi

Monthly mean flows (cubic metres per second)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean
1963	m	24.7e	22.4e	230.5e	569.4	207.1e	161.8	184.9e	189.6	216.5e	228.8	304.4	-
1964	111.8	44.6	25.7	84.4	134.5	144.1	123.4	276.0	259.1e	480.9e	312.3e	132.6e	177.9
1972	58.9e	42.8e	39.3e	73.8e	324.2e	293.9e	216.3e	237.9	249.9	301.0	432.6	187.1	205.1
1973	57.7	26.7	11.6	9.1	48.0	88.4	104.3	254.0	324.1	395.3	261.7	85.3	139.4
1974	32.8	15.4	5.3	105.0	106.3	174.6	156.5	176.0	279.9	197.2	164.0	52.7	122.4
1975	19.0	9.3	2.1	19.9	121.9	124.8	151.8	323.0	309.1	310.3	248.9e	84.8e	144.5
1976	44.1e	27.8e	21.0	43.8e	340.5e	306.1	191.3e	198.7	207.1	200.9	358.1e	101.2e	170.2
1977	52.3e	67.2e	49.0	258.8	293.4	340.5	210.5	248.2	334.2	439.7	677.4	427.0	283.6
1978	139.9	85.1	172.5e	189.7e	267.8e	142.8e	333.5	361.6	288.7	435.0	494.9	210.4	261.4
1979	97.6	100.9	72.2	190.9	206.0	251.8	167.2	172.7	113.5	152.4	218.6	68.3	150.9
1980	35.5	18.2	10.1	9.4	112.6	82.3	133.3	110.9	114.4	145.2	123.4	47.2	78.8
Mean	64.9	42.1	39.2	110.5	229.5	196.0	177.3	231.3	242.7	297.7	320.1	154.6	176
Maximum	139.9	100.9	172.5	258.8	569.4	340.5	333.5	361.6	334.2	480.9	677.4	427.0	
Minimum	19.0	9.3	2.1	9.1	48.0	82.3	104.3	110.9	113.5	145.2	123.4	47.2	

Comments : Flag m - more than 5 daily values missing; Flag e - one or more daily values estimated or missing
Data generally very reliable. Virtually no missing data and only a few periods deleted
(primarily during low flow recessions)

River Jubba at Mareere

Monthly mean flows (cubic metres per second)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean
1977	34.7e	46.2e	32.6e	252.0e	284.2e	340.1e	208.3e	238.1e	328.0e	435.4e	597.5e	453.3e	271.5
1978	103.1e	43.4e	147.3e	161.4	266.4	131.4	302.6	379.8	294.8	418.4e	444.1	209.1	243.3
1979	73.1	70.0	51.2	132.4	176.9	239.8	141.6	138.2	86.0	130.0	215.8	48.5	125.3
1980	20.9	9.8	4.1e	3.0e	94.0	61.2	105.5	84.6e	84.8	123.2	102.8	31.4	60.7
1981	8.3	1.7e	67.6e	543.6	674.0	206.6	113.3	220.6	350.1	451.0	241.7	70.0	246.7
1982	28.7	16.5	9.6	83.4	334.7	442.3e	281.3e	221.4	223.7	443.5	487.6	232.2	234.7
1983	109.8e	65.0	32.6	30.0	262.3	377.4	232.7	233.2	364.5	476.7	510.2	199.2	241.7
1984	62.2	28.0	14.1	12.1	50.5	94.3	71.2	144.5	224.7e	300.5	150.3	55.0	100.8
1985	25.8	8.5	4.1	121.9	554.1	215.6	190.0e	274.3e	180.5	247.5e	155.2	72.6	172.2
1986	24.2e	8.8	5.3	103.1	244.6	315.9	249.4e	156.5e	219.6	290.0	159.9	61.9e	153.9
1987	25.7e	10.2e	8.1e	68.0e	258.3	608.0e	250.7e	141.4	165.0	274.2e	335.7	100.6	187.5
1988	40.1	21.9	15.3e	106.6	150.5	90.6	149.5	324.9	243.7	379.9	353.8e	76.8e	163.2
1989	32.1e	6.5	3.6	167.4	422.1	166.0	157.1	202.8	308.3	448.8	480.0e	290.6	224.9
Mean	45.3	25.9	30.4	137.3	290.2	253.0	188.7	212.3	236.4	339.9	325.7	146.3	187
Maximum	109.8	70.0	147.3	543.6	674.0	608.0	302.6	379.8	364.5	476.7	597.5	453.3	
Minimum	8.3	1.7	3.6	3.0	50.5	61.2	71.2	84.6	84.8	123.2	102.8	31.4	

Comments : Flag m - more than 5 daily values missing; Flag e - one or more daily values estimated or missing
Data generally very reliable, but no discharge measurements at high levels so magnitude of high flows only approximate

River Jubba at Kamsuma

Monthly mean flows (cubic metres per second)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean
1972	68.7e	46.9e	45.8e	72.6e	335.9e	314.9e	233.2e	249.7e	274.7	317.6	444.0	216.5	218.7
1973	69.3	30.1	10.5	4.8	49.8	100.9	111.3	267.3	349.9	399.0	294.0	102.1	149.6
1974	35.7	15.7	3.7	110.5	108.6	192.8	167.0	190.4	290.0	218.3	179.7	62.6	131.5
1975	22.8	9.0	0.7	17.6	139.0	148.6	161.6	332.0	330.0	315.0	261.3	97.6	153.7
1976	34.8	9.2	0.0	16.1	293.3	324.9e	207.3e	218.0e	224.5e	218.0e	372.5e	122.0e	170.2
1988	48.1e	26.0e	17.9e	120.9e	170.2e	109.1e	165.4e	333.5e	257.2e	377.1e	340.0	78.6	170.7
1989	29.5	10.0	3.7	173.3	401.7	166.5	159.4	204.8	306.7e	424.6e	456.3e	297.0e	220.6
Mean	44.1	21.0	11.8	73.7	214.1	193.9	172.2	256.5	290.4	324.2	335.4	139.5	174
Maximum	69.3	46.9	45.8	173.3	401.7	324.9	233.2	333.5	349.9	424.6	456.3	297.0	
Minimum	22.8	9.0	0.0	4.8	49.8	100.9	111.3	190.4	224.5	218.0	179.7	62.6	

Comments : Flag m - more than 5 daily values missing; Flag e - one or more daily values estimated or missing
Data reliable for the limited period of the station's operation

River Jubba at Jamamme

Monthly mean flows (cubic metres per second)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean
1963	m	17.5e	14.7e	174.9e	430.9	208.2	148.2	158.6	161.8	184.2	176.9e	266.1	-
1964	98.9	33.2	12.1	59.9	112.5	123.9	97.1	228.1	230.9	383.6	305.2	103.3	149.4
1965	127.7	30.1	12.2	7.6	51.1	23.6	31.8	63.1	104.7	302.1	458.2	245.6	121.9
1966	57.2	21.8	45.5e	74.7e	265.6e	176.7e	132.6e	169.4e	343.4e	207.3e	308.1e	117.8e	160.4
1967	31.9e	13.3e	12.5e	42.6e	219.7e	100.2e	125.8e	307.3e	278.0e	m	m	m	-
1968	m	m	m	m	m	m	m	m	m	m	m	m	-
1969	m	m	m	m	m	m	m	m	m	m	207.3e	52.9e	-
1970	10.4e	31.7e	20.8e	180.5	361.0e	162.4e	147.9e	196.1e	341.7e	427.9e	403.2e	93.5e	198.7
1971	27.4e	10.0e	1.6e	27.2e	156.6e	158.7e	183.7e	167.6e	218.5e	361.6e	423.8e	179.6e	160.4
1972	64.5	29.9	34.8	46.7	314.2	285.4	215.8	231.0	262.7e	300.5	417.7	205.1	201.0
1973	59.6	25.8	9.7	4.5	39.8	88.3	97.4	252.6	339.5	377.6	300.4	86.6	140.6
1974	29.4	15.8	4.4	97.3	101.9	180.5	147.8	177.0	268.5	210.5	168.4	53.8	121.5
1975	17.8	6.0	0.2e	12.6e	121.9	131.6	154.3	323.4e	324.6e	310.2	267.3e	83.4	146.8
1976	24.7e	7.1e	0.0e	11.2e	262.6e	327.0	215.0	215.2	216.7	189.2	359.0e	110.7e	161.6
1977	35.3e	46.8e	33.4e	240.6e	279.1e	330.5e	215.3e	236.9e	317.9e	406.0e	498.2e	443.9	257.7
1978	146.6	45.2e	147.8e	170.4e	260.4e	142.6e	285.9e	368.9e	295.9e	365.5e	399.3e	215.4e	238.4
1979	77.7e	72.4e	52.2e	135.2e	180.0e	242.8e	151.9e	143.9e	91.8e	132.7e	221.4e	51.5e	129.4
1980	20.6e	8.2e	1.8e	1.0e	99.5	60.9	110.6	89.3e	89.2	131.4	111.1e	30.5	63.1
1981	3.5	0.0	54.2e	478.9	482.4	224.8	121.5	229.9	346.3	446.4	267.5	94.0	229.9
1982	41.4e	22.4e	9.4e	75.1e	313.2e	409.2e	284.0e	225.8e	228.1e	368.9e	425.5e	238.9e	221.1
1983	120.4e	66.9e	34.0e	27.7e	243.6e	373.7e	234.0e	244.7	382.2	457.5	459.2e	215.7e	238.9
1984	66.2e	28.3e	13.3e	9.4e	50.4e	92.5e	68.8e	140.3	210.0e	291.5e	152.4e	58.5e	98.6
1985	25.8e	7.6e	2.2e	107.4e	474.5e	228.0e	197.7e	271.6e	191.6e	247.3e	166.9e	77.5e	167.7
1986	24.6e	7.6e	3.5e	98.0e	237.4e	317.9e	253.5e	163.6e	213.6e	293.8e	169.4e	65.4e	154.7
1987	26.4e	9.0e	5.6e	67.1e	228.3e	474.3e	258.9e	150.9e	170.7e	262.7e	334.1e	108.6e	175.1
1988	41.5e	22.1e	14.2e	104.6e	156.5e	95.6e	147.0e	319.7e	247.6e	355.9e	349.7e	83.0e	161.8
1989	33.6e	5.1e	1.3e	162.9e	386.6e	170.1e	159.6	206.8	300.5	397.4	425.6e	288.1	212.6
Mean	50.5	23.4	21.7	96.7	233.2	205.2	167.4	211.3	247.1	308.8	311.0	142.8	169
Maximum	146.6	72.4	147.8	478.9	482.4	474.3	285.9	368.9	382.2	457.5	498.2	443.9	
Minimum	3.5	0.0	0.0	1.0	39.8	23.6	31.8	63.1	89.2	131.4	111.1	30.5	

Comments : Flag m - more than 5 daily values missing; Flag e - one or more daily values estimated or missing
Original data intermittent and of suspect quality for much of period (exceptions are 1963-65, 1972-75, 1980-81 and 1989)

River Shebelli at Beled Weyn

Monthly mean flows (cubic metres per second)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean
1951	m	m	m	194.4e	249.7	199.1e	23.7e	59.1e	80.1e	79.1e	m	96.2e	-
1952	9.5e	m	m	m	84.4e	m	m	23.2e	m	81.9e	39.5e	m	-
1953	m	m	m	m	m	m	m	m	m	m	m	m	-
1954	m	m	m	m	61.0	24.1	m	80.0e	174.2e	230.0	81.8	32.5	-
1955	6.8e	m	m	m	39.3e	11.8e	m	24.3e	100.8e	149.6e	38.4e	6.9e	-
1956	m	m	m	m	237.9e	26.1e	25.2	100.4e	171.4e	163.6e	231.6e	27.6e	-
1957	11.8e	m	m	56.6e	231.0e	111.7e	47.5e	135.5e	136.4e	49.1e	53.5e	38.6e	-
1958	8.5e	16.8e	42.0e	m	63.0e	9.9e	13.2e	125.4e	185.4e	m	m	m	-
1959	8.3e	m	m	m	78.8e	22.0e	13.6e	72.5e	159.9e	135.1e	131.9e	21.7e	-
1960	m	m	m	19.5	62.5	37.3	17.1	36.2	86.6	89.0e	37.9e	12.1e	-
1961	9.9e	m	m	m	43.4e	m	m	134.6e	220.3e	234.8e	229.8e	258.6e	-
1962	14.2e	m	m	m	m	m	m	m	70.5e	m	m	m	-
1963	24.3e	19.6e	16.9e	57.6e	314.0	115.7	54.2	116.1e	181.9	103.4	50.1	76.3	94.7
1964	35.9	16.3	8.1	24.0	31.6e	19.6	36.4	123.5	183.1	182.1	93.1	25.3	65.0
1965	46.3	10.3e	5.9e	9.9e	43.3e	10.6e	5.6e	31.4	64.1	105.6	129.4	27.3e	40.9
1966	4.8e	6.1	24.6	35.7	84.1	35.0	34.9	61.1e	135.7	104.1	63.3	10.3	50.1
1967	2.2	2.0	0.8	47.7	138.4	56.8	29.0	123.4	204.1	232.3	162.0	160.1	97.1
1968	26.3	15.7	76.0	98.9	302.8	146.1	84.3	137.9	154.0	123.3	53.6	53.9	106.5
1969	20.4	23.5	123.1	108.8	140.3	41.0	55.1	136.7	161.3	81.0	39.5	14.8	79.1
1970	9.0	20.3	65.3	106.3	163.9	26.4	24.8	127.7	217.1	176.9	96.8	16.2	87.8
1971	10.0	7.2	6.1	47.1	95.9	52.3	82.8	112.7	157.3	110.0	72.0	29.9	65.6
1972	11.5	21.7	15.4	51.5	180.6	64.8	83.5	127.4	154.5	113.2	71.6	17.8	76.3
1973	8.9	6.0	4.2	7.1	52.8	24.7	27.0	90.6	138.6	102.0	25.0	6.1e	41.3
1974	2.9e	1.6e	0.6e	68.9	63.5	70.1	73.3	110.1	138.7	79.4	19.0	7.1	53.1
1975	2.2e	0.0	0.0	26.0	78.4	42.5	65.6	136.7	213.8	127.3	30.8e	9.7	61.4
1976	1.7e	0.0	0.0	91.1	202.0e	189.6	78.3	123.9e	143.7e	88.6e	82.8e	27.6e	85.8
1977	13.5e	16.5e	14.3e	103.0e	201.0	59.7	79.0	124.9	153.8	170.2	274.2	126.6	111.8
1978	24.9	12.6	77.1	49.0	87.2	29.2	62.5	151.9	189.4	175.8	112.6	29.4	83.9
1979	20.0	62.0	48.2	69.2	82.8	103.0	58.8	106.5	66.5	73.8	53.6	13.2	63.0
1980	8.0	5.3	3.5e	12.2	94.1	15.4	22.2	79.5	76.4	50.0	16.5	5.8e	32.6
1981	2.6	1.9e	74.7e	346.6	318.4	45.9	22.5e	112.5	213.1	231.7	45.7e	15.6	119.7
1982	11.6	9.2	11.3	76.1	146.6	97.8e	46.2e	111.6	131.1e	156.2e	202.7	86.0e	90.8
1983	32.8	22.5	17.1	46.6	109.6	177.1	70.8	166.9	315.4e	297.1	132.9	42.0e	119.5
1984	22.3	15.7	11.0e	11.4e	37.2e	56.2e	53.2e	107.0e	122.1	79.5	19.5e	10.4e	45.5
1985	7.8	5.2	3.5	94.4	266.7e	110.1e	45.4e	124.0e	105.4	67.1e	24.0	11.4	72.5
1986	7.0	5.0	6.0	64.1	118.9	106.5	105.9	124.4e	113.8e	77.5e	28.4e	11.4e	64.4
1987	6.7	4.7	11.8	83.0	136.8e	307.1	62.4	37.9	65.3	82.3	47.7	9.4	71.2
1988	5.7	3.6	2.6	49.8	67.5	16.6	35.2	124.5	179.7	186.3	98.3	21.4	66.1
1989	15.9	15.5e	15.4	150.8	222.0	52.4e	36.8	54.9e	90.9e	125.1e	43.4e	45.8e	72.7
Mean	14.3	12.2	23.8	71.7	140.0	76.7	53.2	110.6	150.8	129.7	77.3	33.7	75
Maximum	46.3	62.0	123.1	346.6	318.4	307.1	105.9	166.9	315.4	297.1	274.2	160.1	
Minimum	1.7	0.0	0.0	7.1	31.6	10.6	5.6	31.4	64.1	50.0	16.5	5.8	

Comments : Flag m - more than 5 daily values missing; Flag e - one or more daily values estimated or missing
Data quality possibly doubtful 1951-56; data often unreliable 1957-62
Summary statistics based on data for the period 1963 -1989 only

River Shebelli at Bulo Burti

Monthly mean flows (cubic metres per second)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean
1963	23.1e	18.2e	15.3e	43.4e	266.1e	144.0	53.4	105.5	162.1	90.9	47.9	68.8	87.0
1964	32.9	16.3e	8.9e	25.1	32.6	17.0	32.6	102.6	154.7	156.4	92.4	20.8	57.8
1965	45.6	11.1	6.5	6.9	43.8	10.8	5.6	21.8	64.2	90.1e	119.3e	26.3e	37.7
1966	8.1	5.1	22.9	32.5	80.0	33.4	31.6	55.8	115.6e	91.8e	59.5	9.4	45.6
1967	1.6	0.1	0.0	37.8	120.5	62.1	28.4	96.8e	163.4	191.8	143.5e	152.4e	83.7
1968	29.2	16.6	70.6	83.8	263.6	151.0	78.8	116.4	137.3	112.5	53.9	53.6	97.6
1969	18.4	18.2	109.1e	105.3e	122.3e	44.6e	49.1	118.2	143.2	84.5	37.8	11.6	72.2
1970	6.6	16.6	51.0	96.8	155.1	25.0	17.7	108.5	198.0	158.2e	93.7	16.6	78.9
1971	8.7	6.1	4.0	40.8	88.4	49.2	77.2	99.9	143.6	99.3	68.5	29.3	59.9
1972	9.3	17.5	13.2	41.5	174.9e	69.1	72.7	113.3	141.6	105.8	68.2e	15.9	70.4
1973	7.1	4.3	2.4	3.2	52.1	25.8	21.4	83.0	126.4	95.7	27.5e	5.5e	38.1
1974	3.0	0.9e	0.0e	59.8e	55.5e	63.4e	66.4e	96.6e	125.6e	80.6e	19.8e	7.2e	48.4
1975	1.6e	0.0e	0.0e	20.8e	71.4e	46.2e	56.7e	120.5e	186.0e	124.8e	33.2e	9.0e	56.1
1976	1.2e	0.0e	0.0e	74.5e	158.3e	182.4e	71.4e	111.2e	132.4e	87.3e	78.1e	29.4e	77.2
1977	12.0e	13.7e	13.3e	94.5e	212.9e	64.8e	81.4e	130.6e	166.5e	189.0	260.4	172.4e	118.2
1978	25.1e	11.6e	70.0e	45.7e	84.2e	30.7e	52.5e	133.3e	170.1e	151.6e	114.4e	29.8e	77.0
1979	17.2e	58.0e	44.9e	66.9e	72.6	106.0	53.7e	98.0e	65.9e	67.7e	54.4	14.3e	59.8
1980	8.4e	5.8e	3.7e	13.0e	101.8e	20.4e	26.6e	81.5e	90.1e	58.3e	22.1	5.9e	36.6
1981	1.4e	0.0	70.4	268.3	384.6	70.1	27.7	109.8	185.7	240.2	57.0	17.0	120.0
1982	9.5e	6.5e	8.7e	70.0e	145.6	106.6e	43.5e	107.8e	129.1	137.1	186.7e	84.8e	86.6
1983	35.3e	21.1e	16.5e	36.7e	104.4e	159.7e	68.4e	142.3e	249.9	298.6	151.2e	49.6e	111.5
1984	19.5	11.8e	7.0e	6.5	37.5	60.1	56.6	108.7e	112.1e	101.2e	17.7e	7.1e	45.6
1985	6.4e	3.8e	2.0e	86.1e	242.2e	132.9e	43.6	114.8	102.7	71.6	23.6	9.7e	70.3
1986	5.7e	3.5e	4.4e	51.8e	115.3	110.2	99.5	112.4	105.8	78.4	29.6e	10.1e	60.9
1987	5.5e	3.3e	6.7e	77.3	129.2e	275.8e	65.8	37.7	64.5e	79.1e	46.9e	7.2e	66.6
1988	4.4e	2.2e	1.1e	38.1e	68.9	13.6	31.6	109.3	162.0	163.1	99.4e	19.0	59.5
1989	13.0	11.6	9.9	128.8	201.1	54.0	33.1	50.2	84.8	111.8e	47.1e	42.7e	66.0
Mean	13.3	10.5	20.8	61.3	132.8	78.8	49.9	99.5	136.4	122.9	76.1	34.3	70
Maximum	45.6	58.0	109.1	268.3	384.6	275.8	99.5	142.3	249.9	298.6	260.4	172.4	
Minimum	1.2	0.0	0.0	3.2	32.6	10.8	5.6	21.8	64.2	58.3	17.7	5.5	

Comments : Flag m - more than 5 daily values missing; Flag e - one or more daily values estimated or missing
Data very unreliable from mid-1970's; some improvement from 1980, but quality of original data lower than for most other Shebelli stations

River Shebelli at Mahaddey Weyn

Monthly mean flows (cubic metres per second)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean
1963	26.9	21.6	18.4	44.0e	130.4	94.7	48.3	97.7	132.9	93.1	44.2	79.2	69.6
1964	34.1	15.5	7.5	19.8	32.9	16.8	28.2	89.0	131.5	130.4	88.9	24.7	51.7
1965	49.0	15.1	7.4	6.6	44.9	13.3	5.6	16.5	61.3	80.9	108.6	46.3	38.0
1966	10.7	5.4	25.7	32.8	84.4	41.6	37.5	59.0	109.8	99.7	66.5e	16.4e	49.3
1967	5.1	2.0	1.1	33.3	101.7	74.2	27.1	95.6	138.5	134.3	119.5	122.2	71.6
1968	35.6	17.6	66.7	76.2	142.3	119.4	81.3	105.9	131.1	117.7	66.8	66.6	85.8
1969	26.2	22.2	99.8	110.4	115.3	60.3	50.5	112.5	137.1	97.8	47.9	15.1	74.9
1970	8.0	20.0	47.6e	102.5	140.1	40.9	18.8e	102.2e	142.7	141.4	100.6	23.7	74.3
1971	12.7	8.9	5.5	34.5	94.5	53.4e	80.4e	102.0e	138.5e	104.0e	75.1e	39.1e	62.7
1972	13.0e	18.5e	18.7e	35.7e	138.3e	79.1e	70.7e	116.9e	139.0e	113.8e	76.9e	20.6e	70.3
1973	10.6e	7.7e	5.7e	4.4e	51.7e	35.1e	19.9e	84.3e	131.1e	101.2e	38.3e	9.2e	41.7
1974	6.2e	4.2e	1.6e	61.7e	57.8e	72.3	72.1	100.8	121.3	87.9	27.9	11.0	52.3
1975	6.0	3.3	1.4e	18.7e	67.3e	57.7e	53.9e	122.0e	140.0e	117.2e	42.1e	13.4e	53.9
1976	3.4e	0.2e	0.0e	52.4e	127.6	133.5e	86.5	112.3	138.6	96.0	80.1	37.7e	72.4
1977	15.2e	16.0e	16.7e	77.5e	141.7	71.6e	79.7e	128.7e	138.0e	139.2e	147.5	131.2	92.4
1978	30.5e	15.4e	70.7e	48.1e	89.6e	37.9e	49.3e	130.0e	140.0e	140.0e	101.8e	35.2e	74.4
1979	20.3e	59.7e	45.9e	75.2e	72.4e	109.5e	60.3e	99.4e	73.7e	68.8e	68.2e	16.9e	64.0
1980	9.2e	4.1e	2.4e	6.2e	93.0e	23.5e	18.8	74.8e	79.5e	50.6	19.2	5.7	32.4
1981	1.7	0.1	45.8	160.6	159.1	78.4	31.0	97.2	150.0	155.0	68.7	23.0	81.2
1982	13.5	8.2	9.7e	54.9	121.0	104.5	46.2	98.8	128.2	124.1	154.4e	87.0e	79.4
1983	46.7	26.6e	21.9e	29.2	109.2	145.9	76.4	138.6	151.3	148.9	133.1	60.5	91.0
1984	25.1	21.3	15.9	13.4	38.4	63.7	53.5	108.1	110.5	102.2	24.2e	11.2e	49.1
1985	7.7e	5.3e	3.9e	75.0e	163.7	114.9	47.8e	122.0	112.7	84.3	32.0e	18.0	65.9
1986	14.0e	9.4	7.1	46.7e	127.5	121.5e	108.2e	123.3	115.9	91.6	41.9e	11.5e	68.5
1987	7.6	5.4	4.5	76.2	120.3	161.5	80.8	42.2	63.4	87.7	63.2e	12.9e	60.6
1988	7.2	4.2	2.5	31.2	89.4e	23.0	32.2	113.3	163.4	165.3	111.4	26.7	64.3
1989	18.3	15.4	14.9	119.8	167.1	69.9	40.1	59.7	95.3	133.2	66.6	47.7	70.9
Mean	17.2	13.1	21.1	53.6	104.5	74.8	52.0	98.3	122.8	111.4	74.6	37.5	65
Maximum	49.0	59.7	99.8	160.6	167.1	161.5	108.2	138.6	163.4	165.3	154.4	131.2	
Minimum	1.7	0.1	0.0	4.4	32.9	13.3	5.6	16.5	61.3	50.6	19.2	5.7	

Comments : Flag m - more than 5 daily values missing; Flag e - one or more daily values estimated or missing
Original data unreliable in 1970's but otherwise good. Peak flows higher from 1980 (but accuracy of rating less certain)

River Shebelli at Balcad

Monthly mean flows (cubic metres per second)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean
1963	15.8e	9.9e	6.4e	22.7e	88.5	69.2	43.4	79.9	90.5	78.9	40.7	73.2	51.9
1964	32.9	12.5	3.4	15.9	30.6	14.1	23.2	70.3	88.7	88.3	71.9	24.1	39.7
1965	43.6	11.4	2.6e	2.7e	41.0	8.4	1.9	11.7e	59.2	68.5	86.1	44.7	31.9
1966	6.8	1.0e	21.5e	26.1e	69.6e	38.4e	34.1e	50.1e	84.4e	76.0e	61.0e	16.4	40.7
1967	3.2	0.0e	0.0e	27.1e	75.4e	65.9	25.0e	69.5e	92.2	87.5	84.8	83.3	51.4
1968	30.5	12.4	57.6	62.1	94.3	82.4	71.3e	81.8e	92.4	90.3	61.4	61.9	66.7
1969	22.6	18.3	73.5	91.6	85.0	59.4	47.9e	85.2e	95.1	81.3	44.6e	12.6e	60.0
1970	4.7e	16.4e	35.6e	82.0e	94.9e	40.0e	14.4e	76.3e	95.0e	95.0e	77.2e	21.9e	54.6
1971	9.5	4.3	3.2e	27.4	72.6	48.9e	69.3	86.1	96.7	86.0	64.2	41.2	51.1
1972	8.7	10.4	18.4	21.6	93.0	70.4	57.3	96.0	98.4	91.6	74.7	24.7	55.6
1973	6.6	1.1e	1.5e	0.2e	36.5e	32.8	13.1	65.1	88.0	80.3	37.3e	6.0e	30.8
1974	2.6e	0.8e	0.0e	48.2e	41.1	55.2	55.7	81.1e	93.6e	75.6e	26.4e	8.1e	40.9
1975	2.6e	0.2e	0.0e	13.0e	55.5e	52.5e	43.0e	92.6e	95.0e	87.5e	40.9e	10.9e	41.4
1976	1.1e	0.0e	0.0e	29.7e	81.5	83.5	57.2	87.4e	96.0	68.6	59.3	35.0e	50.0
1977	12.0e	12.5e	13.2e	55.5e	97.8e	57.5e	63.3e	92.7	97.2e	92.1	94.7	85.5	64.8
1978	29.5e	16.6e	55.0	44.2	80.6	34.3	37.5e	97.0	96.7	95.0	85.0	37.6	59.4
1979	19.5	49.6	38.2	68.6	63.7	92.9	49.1	84.7	60.9	56.1	51.1e	12.0e	53.7
Mean	14.8	10.4	19.4	37.6	70.7	53.3	41.6	76.9	89.4	82.3	62.4	35.3	50
Maximum	43.6	49.6	73.5	91.6	97.8	92.9	71.3	97.0	98.4	95.0	94.7	85.5	
Minimum	1.1	0.0	0.0	0.2	30.6	8.4	1.9	11.7	59.2	56.1	26.4	6.0	

Comments : Flag m - more than 5 daily values missing; Flag e - one or more daily values estimated or missing
Original data intermittent but generally of good quality

River Shebelli at Afgoi

Monthly mean flows (cubic metres per second)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean
1963	8.2e	3.2e	0.8e	16.0e	91.7e	73.4	42.6	79.3	93.9	82.2	40.7	74.9	50.9
1964	33.8	12.8	2.8	13.7	29.2	14.1	20.5	67.3	91.0	90.4	76.1	25.8	39.8
1965	42.1	12.5	2.1	1.7	38.1	7.6	0.7	7.4	51.0	61.3	83.0	45.5	29.5
1966	7.0	0.3	19.9	20.9	64.8	32.0	28.1	43.5	77.2	70.9	64.5	11.3	36.9
1967	0.9	0.0	0.0	24.7	75.1	66.8	24.3	79.6	96.8	92.7	90.7	88.8	53.6
1968	32.8	12.2	55.3	60.0	97.2	87.5	69.0	86.7	95.9	93.2	64.2	63.9	68.4
1969	21.8	16.1	70.9	95.3	87.3	59.7	41.9	81.7	95.6	83.8	47.7	14.4	59.9
1970	4.3	13.5	29.2	85.8	97.8e	46.4	16.4e	77.4	98.7	97.9	85.3	22.9	56.4
1971	8.4	2.5	0.2	21.2	72.3	47.8	66.8	86.3	98.5	86.9	65.8	41.3	50.1
1972	8.0	4.6	17.0	15.9	92.5	72.3	55.8e	98.9e	103.1	96.4	79.2	26.5e	56.0
1973	4.5e	0.0	0.1	0.0	32.9	31.9	9.3e	63.2e	90.4e	82.1	42.6	3.3	30.1
1974	0.0	0.0	0.0	41.5	38.4	55.5	56.4	81.6	89.8	71.7	21.8	2.5	38.4
1975	0.0	0.0	0.0	6.4	43.9	43.7	34.0	93.8	97.5	83.8	26.1	5.5e	36.4
1976	0.4e	0.0e	0.0e	26.2e	84.6	89.5	58.0	89.4	99.2	71.8	59.8	36.5	51.4
1977	10.2	10.5	11.3e	53.1	102.2	62.5	55.4	96.8e	95.2	95.0	99.5	90.9e	65.5
1978	29.9e	15.6e	54.1e	44.7e	75.9e	40.5	34.6	93.2	98.4	103.0	93.8	39.7	60.5
1979	17.9e	52.2e	36.6e	76.7	69.8	102.7	56.8	93.8	65.3	56.5e	62.2e	13.9e	58.6
1980	6.1e	1.7e	0.1e	1.8	63.6	24.2	13.5	57.7	63.0	44.9	20.6e	0.7	24.9
1981	0.0	0.0	16.1	79.0	87.8	61.1	36.2	68.2	88.3	86.8	59.5	25.8	50.9
1982	19.1	13.1	14.7	40.9	90.5	78.5	42.3	76.1	90.9	79.6	93.3	78.3e	60.0
1983	51.3	33.2e	25.0e	27.0	84.1	93.2	71.0	88.5	94.0	94.6	92.9	56.4	67.8
1984	29.6e	22.1	22.3	16.2	25.9	57.2	45.2e	77.5	76.9	73.6	29.0	10.5	40.6
1985	9.0	3.1	0.6	34.1	70.4	65.2	36.9e	74.6	73.8	57.9	26.6	10.3	38.7
1986	5.6	5.1	2.1	19.8	79.9	80.3	69.8	79.7	74.1	60.3e	31.0	12.3	43.6
1987	9.4	5.1	0.9	40.2	70.0	90.9	54.7	27.6	46.0	69.5	53.8	13.9	40.3
1988	10.4	9.6	3.1e	11.3	53.8e	16.1	20.6	60.3	81.9	79.1	66.5	19.0	36.0
1989	12.1	11.3	12.5	64.2	93.6	48.9	19.6e	34.7	63.9	71.4	53.7	39.1	43.9
Mean	14.2	9.6	14.7	34.7	70.9	57.4	40.0	72.8	84.8	79.2	60.4	32.4	48
Maximum	51.3	52.2	70.9	95.3	102.2	102.7	71.0	98.9	103.1	103.0	99.5	90.9	
Minimum	0.0	0.0	0.0	0.0	25.9	7.6	0.7	7.4	46.0	44.9	20.6	0.7	

Comments : Flag m - more than 5 daily values missing; Flag e - one or more daily values estimated or missing
Data generally reliable and very few periods of missing data

River Shebelli at Audegle

Monthly mean flows (cubic metres per second)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean
1963	2.8	0.8e	0.1e	12.0e	73.6e	62.1	38.6	65.7	73.8	69.7	37.5	67.3	42.3
1964	33.4	13.3	4.6	11.2	28.4e	14.9	19.4	59.0	74.7	73.7	66.4	23.5	35.2
1965	38.8	11.3	3.1	1.7	34.5	9.1	2.4	6.7	47.4	56.9	74.3	44.1	27.6
1966	8.3	1.5	19.9e	20.5e	58.8e	30.1e	26.5e	39.6e	66.9	60.6e	56.6e	10.7e	33.5
1967	1.5	0.0	0.0e	23.5e	67.6e	61.0e	24.3e	69.1e	74.0e	74.0e	74.0e	74.0e	45.5
1968	33.3e	12.3e	50.1e	52.7	74.3	72.0	67.8e	73.6e	74.0e	74.0e	60.6e	62.1e	59.1
1969	23.0e	17.1e	59.2e	74.0e	73.7e	55.3e	41.5e	70.0e	74.0e	72.8e	49.6e	15.8e	52.3
1970	5.4e	13.9e	27.3e	73.5e	74.0e	46.9e	17.3e	65.0e	74.0e	74.0e	70.3e	24.6e	47.3
1971	9.5e	3.6e	1.1e	19.3e	71.3e	49.7e	65.8e	80.5	82.7	77.4	62.3e	43.7e	47.5
1972	9.3e	3.8e	19.1e	14.3e	80.8e	66.3e	52.7e	82.0e	82.0e	82.0e	76.1e	28.3e	49.9
1973	5.8e	0.2e	0.0e	0.0e	31.2e	34.1e	9.6e	60.8e	82.0e	76.9e	44.5e	4.4e	29.2
1974	0.0e	0.0e	0.0e	39.6e	35.9e	55.8e	53.4e	75.6e	81.1e	69.7e	22.5e	3.0e	36.5
1975	0.9e	0.9e	0.9e	5.3e	43.4e	46.5e	31.9e	81.8e	82.0e	77.1e	28.6e	6.6e	34.0
1976	0.9e	0.0e	0.0e	23.0e	75.0	81.1	58.3	82.8	82.8	66.6	58.5	40.2	47.5
1977	10.6	10.1	13.6	40.8	88.8	66.7	58.3e	89.2	84.5	80.5	86.7	86.6	60.0
1978	37.6	21.3e	52.6e	45.6e	73.5e	43.1e	38.8e	88.0e	89.6e	91.2e	85.7	40.6	59.2
1979	21.7	51.7e	35.7e	76.4e	65.7e	86.0e	57.7e	80.9e	62.4e	56.2e	54.5e	8.9e	54.7
1980	2.4e	1.0e	0.0e	0.4e	59.1e	29.6	14.1e	58.9e	67.0	48.8e	22.2e	0.7	25.4
1981	0.0	0.0	13.2	77.9	85.2	63.8	39.3	68.1	82.8	82.7e	60.6	25.0	50.1
1982	19.2	16.4	16.5	39.6	87.3	78.8	46.8	76.1	83.4	76.3e	87.2	77.9	59.0
1983	55.0	39.3	33.4	29.3	80.9e	88.7	70.3	84.1	84.7	82.8	83.8	58.7	66.1
1984	33.0	26.0	26.5	17.1	25.7	61.3	50.1	72.4	71.1	69.9	32.2	10.5	41.4
1985	8.8	3.3e	0.2e	34.6	75.4e	70.0e	41.6e	74.3e	72.6e	62.3e	35.1	11.9	41.0
1986	2.2	2.4	0.1	16.3	83.3	81.9e	70.8e	81.0e	74.4	61.8	29.9e	6.4	42.8
1987	3.0e	1.3e	0.1e	38.5e	70.8e	86.4	56.8e	28.4e	48.1e	71.3	55.9e	13.9e	39.7
1988	9.2e	3.3	1.5e	8.5e	59.9e	18.0e	27.6e	66.8e	82.4	80.0	73.4	21.2	37.7
1989	11.6	11.3	12.4	66.2	92.2	56.5	19.9	37.7	65.3e	71.5	55.2	45.0	45.5
Mean	14.3	9.9	14.5	31.9	65.6	56.1	40.8	67.3	74.8	71.9	57.2	31.7	45
Maximum	55.0	51.7	59.2	77.9	92.2	88.7	70.8	89.2	89.6	91.2	87.2	86.6	
Minimum	0.0	0.0	0.0	0.0	25.7	9.1	2.4	6.7	47.4	48.8	22.2	0.7	

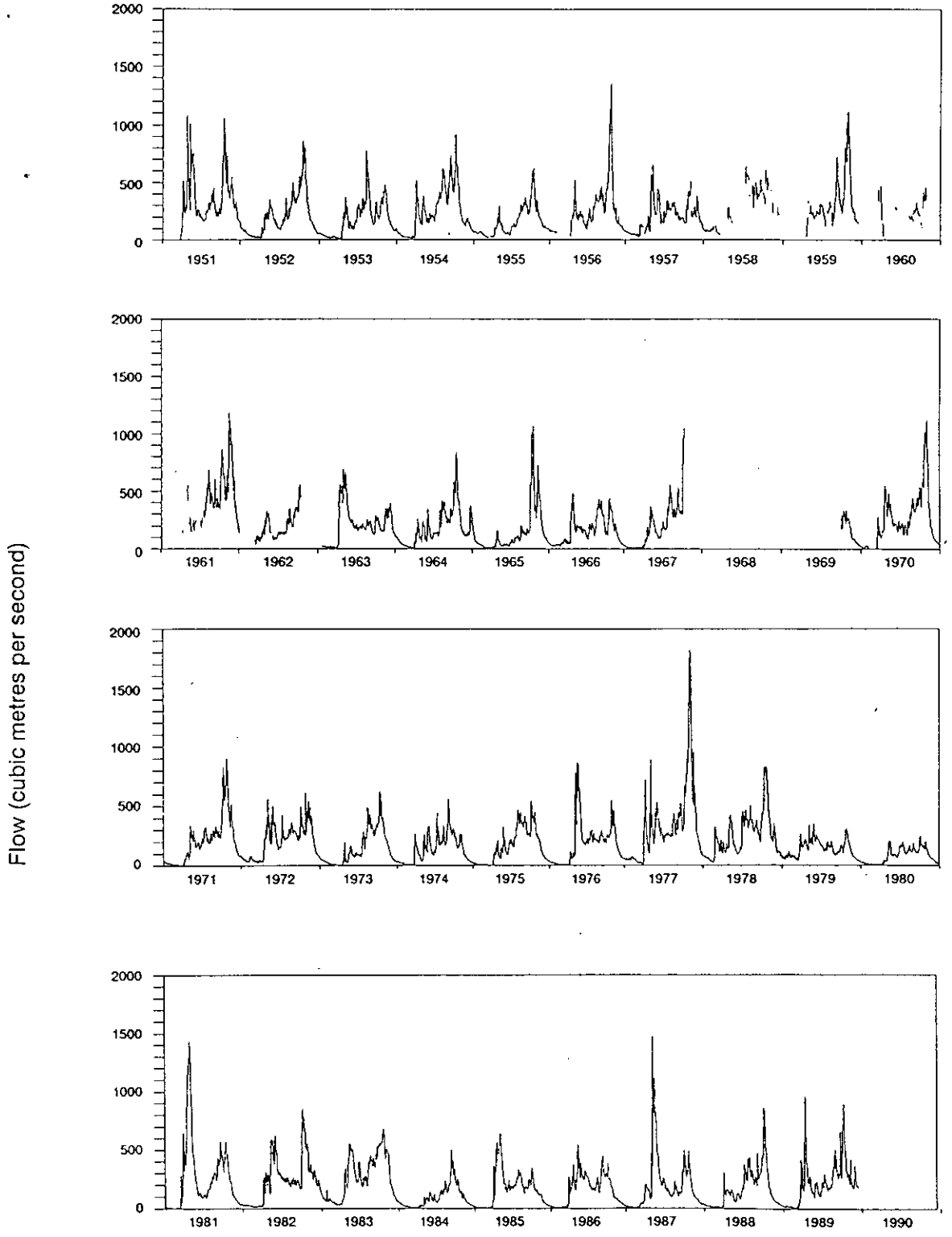
Comments : Flag m - more than 5 daily values missing; Flag e - one or more daily values estimated or missing
Data often intermittent and sometimes unreliable. Rating also uncertain so overall data quality lower than for most other Shebelli stations

3. DAILY FLOW TABLES

LUGH GANANA

1951 - 1989

River Jubba: Daily mean flows for Lugh Ganana for the period 1951 - 1989



River Jubba at Lugh Ganana 1951

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	123.4	765.5	495.0	213.2	251.0	337.8	232.5	491.6	405.6
2	m	m	m	151.2	720.2	441.6	201.9	252.1	323.9	223.4	536.2	412.5
3	m	m	m	239.1	576.3	378.2	192.6	264.6	311.7	222.6	727.2	365.7
4	m	m	m	222.1	494.7	334.8	186.6	275.0	299.7	231.0	688.7	346.0
5	m	m	m	457.0	398.5	291.0	185.5	276.7	287.1	267.2	514.0	316.9
6	m	m	m	466.5	365.3	265.2	199.5	277.9	269.9	293.8	417.1	291.5
7	m	m	m	518.0	357.3	243.2	200.7	279.3	264.7	311.1	412.0	287.1
8	m	m	m	363.0	329.0	223.4	194.3	310.0	303.1	322.3	422.1	280.4
9	m	m	m	349.5	375.2	212.7	194.4	331.6	230.9	328.5	454.6	275.9
10	m	m	m	431.5	295.9	208.1	168.6	323.3	209.4	362.8	468.4	301.5
11	m	m	m	433.1	257.0	205.9	163.8	308.1	217.2	418.4	440.7	290.6
12	m	m	m	352.6	399.3	206.4	161.1	292.5	211.6	526.3	409.7	289.7
13	m	m	m	242.0	1011.0	221.9	162.2	253.5	203.4	606.2	381.0	299.4
14	m	m	m	264.7	693.2	238.9	172.4	302.6	205.4	653.1	367.3	294.7
15	m	m	m	258.5	599.9	252.4	178.6	314.1	220.6	727.2	400.2	293.0
16	m	m	m	308.1	593.8	244.8	181.4	303.6	248.1	724.9	415.1	329.8
17	m	m	m	232.0	598.1	247.3	176.1	304.5	245.1	679.6	406.6	331.9
18	m	m	m	236.8	709.0	270.8	165.4	332.2	245.6	716.9	378.4	303.9
19	m	m	m	227.3	780.9	265.1	162.7	343.2	236.2	752.7	359.8	283.4
20	m	m	m	243.2	710.8	256.8	172.4	362.4	223.9	1056.1	384.9	265.7
21	m	m	m	262.1	693.0	262.6	178.6	387.0	216.5e	999.2	455.9	247.9
22	m	m	m	269.1	669.2	255.7	182.1	402.1	209.4	955.0	482.7	212.5
23	m	m	m	298.9	680.8	242.1	182.4	387.7	198.0	883.7	447.8	201.7
24	m	m	m	268.9	709.4	224.2	187.3	367.6	221.2	833.9	451.1	194.1
25	m	m	11.0	267.5	754.2	216.5	227.2	351.4	256.3	792.4	548.7	186.9
26	m	m	8.5	286.8	713.4	202.9	241.8	336.6	277.3	735.3	501.5	181.9
27	m	m	22.7e	739.4	652.6	194.8	245.9	323.9	273.9	673.2	504.8	173.8
28	m	m	61.2	1080.5	610.7	193.1	262.1	324.1	264.3	629.4	470.3	169.2
29	m		58.4	683.9	561.8	201.5	260.7	398.6	250.8	575.7	436.1	171.5
30	m		54.4	599.9	510.1	225.5	244.5	448.8	242.6	536.2	413.8	165.4
31	m		77.0		506.2		238.1	371.8		506.3		162.9e
Mean	-	-	-	362.6	583.6	257.4	196.3	324.4	250.2	573.5	459.6	268.8
Maximum	-	-	-	1080.5	1011.0	495.0	262.1	448.8	337.8	1056.1	727.2	412.5
Minimum	-	-	-	123.4	257.0	193.1	161.1	251.0	198.0	222.6	359.8	162.9
Total	-	-	-	940	1563	667	526	869	649	1536	1191	720

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	279
Estimated values (Flag e)	:	3
Missing values (Flag m)	:	83

Comments : Data quality unknown, but appears to be good
(rating uncertain and no other stations available for checking)

River Jubba at Lugh Ganana 1952

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	160.4	67.4	31.7	20.7	221.4	201.5	99.9	362.7	446.7	386.3	591.2	153.2
2	159.6	67.1	31.1	20.4	233.3	184.5	95.9e	303.6	472.8	412.7	544.3	141.5
3	162.9	65.9	31.0	20.3	241.6	179.6	92.0	285.7	497.6	548.8	496.5e	136.7
4	168.1	63.7	31.1	19.8	230.9	180.3	86.9	263.0	463.0	463.4	452.9	133.4
5	163.6	61.6	31.7	19.7	232.0	177.3	87.1	229.2	420.8	454.6	408.4	129.6
6	155.0	59.6	31.7	19.5	228.6	166.0	93.2	214.4	398.8	449.6	395.1	123.3
7	144.7e	54.4	31.0	23.7	203.2	165.4	96.5	213.0	394.7	446.4	368.6	125.1e
8	135.2e	52.5	30.2	39.5	183.8	173.3	112.8	188.4	386.7	442.1e	349.2	127.0
9	126.3	50.7	29.3	59.7	174.7	181.4	128.0	181.7	377.5e	438.0	333.5	121.6e
10	103.5	49.5	27.9	115.2	174.5	175.8	129.1e	174.5	368.5	492.5	315.9	116.5
11	100.6	48.7	27.0	70.6	177.6	139.6	130.2	174.5	359.4	523.2e	296.8	108.1
12	104.7	47.9e	26.3	49.2	212.0	152.2	130.2	182.2	337.8	555.8	287.4	97.4
13	104.2	47.1	25.8e	55.9	228.1e	152.2	130.0	188.1	324.2	518.9	275.9	96.7
14	102.7	44.7	25.3	62.7	245.4e	133.3	128.8	193.6	315.3	566.5	260.4	95.5
15	101.3	42.8	24.2	81.5	264.0	130.0	130.8	208.2	325.6e	556.9	243.7	93.2
16	99.7	42.5	24.0	90.1	293.5	130.0	144.5	230.6	336.2	552.9	230.4	90.0e
17	97.2	41.6	24.0	88.4	349.0	137.1	156.2e	273.4	327.5e	573.8	218.0	86.9
18	95.5	40.8	23.9	84.5	336.3	137.3	168.9e	273.6	318.9	661.9	205.6	83.6
19	93.7	40.7	23.3	85.8	312.6	129.2	182.6	251.3	338.1e	777.5	193.1	80.9
20	94.8	40.7	23.2	87.8	295.3	115.6	184.3e	241.0	358.5	857.0	186.6	78.5
21	85.1	40.6	23.2	102.4	281.6	108.0	185.9	255.7	339.4	785.2	182.2	76.7
22	83.3	39.8	22.8	134.7	274.7	106.2	180.8	271.3e	350.8e	725.8	175.6	72.0
23	81.8	38.8	24.4	172.8	284.2	100.8	165.4	288.0	362.6e	707.6	171.9	60.6
24	78.3	37.9	28.2	224.4	285.9	99.9	158.7	289.4	374.7	667.9	168.7e	57.3
25	74.8	36.9	29.8	230.4	275.6	99.9	177.0	297.9	373.3e	716.1	165.6	56.7
26	73.3	35.4	29.1	215.5	272.2	99.7	215.8	297.0	371.8	780.4	172.4	55.1
27	72.1	34.2	30.1	196.1	264.2	98.4	222.6	298.6	386.7	799.3	164.5	54.4e
28	73.7	32.1	26.5	179.6	223.0	96.7	225.2	330.7	394.0	793.3	158.7	53.7
29	90.0	31.8	24.2	179.1	239.2	94.3	230.0	339.4	387.3	790.5	168.6	54.7
30	89.7		23.2	187.5	227.3e	99.0	276.0	358.5	378.0	755.2	156.3	60.5
31	71.2		22.3		216.0		299.4	400.2e		675.5		55.9e
Mean	108.0	46.8	27.0	97.9	247.8	138.1	156.3	260.0	376.2	608.9	277.9	92.8
Maximum	168.1	67.4	31.7	230.4	349.0	201.5	299.4	400.2	497.6	857.0	591.2	153.2
Minimum	71.2	31.8	22.3	19.5	174.5	94.3	86.9	174.5	315.3	386.3	156.3	53.7
Total	289	117	72	254	664	358	419	696	975	1631	720	249

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	203.8	(cubic metres per second)
Maximum	:	857.0	(cubic metres per second)
Minimum	:	19.5	(cubic metres per second)
Total	:	6444	(million cubic metres)

Data availability

Original values	:	336
Estimated values (Flag e)	:	30
Missing values (Flag m)	:	0

Comments : Data quality unknown, but appears to be reasonable
(rating uncertain and no other stations available for checking)

River Jubba at Lugh Ganana 1953

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	51.6	32.7	19.7	15.3	183.1	127.1	220.6	266.0	304.0	301.2	300.4	179.6
2	58.1	31.8	19.2	14.7	243.1	116.0	278.6	260.4	263.8	286.5	351.6	173.8
3	59.1	31.0	19.0	13.7	203.2	99.6	283.0	254.9	254.6	265.2	380.0	167.6
4	58.1	29.9	18.6	13.5	221.0	95.4e	275.9	284.8e	237.2e	244.0	392.0	160.2
5	57.0	27.5	18.9	12.9	185.6	91.4	271.1	318.3	221.1	228.9	418.3	151.1
6	55.9	27.8	18.4	11.5	201.0	124.4	298.6	326.9	214.7	219.3	405.6	145.7
7	54.8	28.4	17.9	10.5	238.9	128.2	308.7	312.6	211.4	216.5	414.9	136.1
8	53.7	27.8	18.0	10.4	364.2	115.4	297.6	301.2	205.6	206.4	456.1	131.8
9	52.7	27.1	20.3	10.3	369.3	106.4	285.4	299.7	199.0	198.2	474.9	128.8
10	51.6	26.9	26.1	9.9	321.3	102.4	273.6	299.7	186.2e	191.7	472.0	127.0
11	50.6	26.3	31.4	9.5	284.6	96.9	272.4	305.7	174.3e	183.3	464.0	125.0
12	49.5	26.1	33.7	9.5	261.0	90.5	275.9	382.7	163.1	178.6	446.0	121.3
13	48.7	25.6	32.0	9.7	260.2	86.6	264.1	661.5	155.4	174.0	439.6	120.5
14	48.4	25.5	30.9	9.1	286.6	89.5e	195.0	770.3	147.2	174.0	419.3	117.6
15	47.6	24.7e	29.4	8.9	248.2	92.5	193.9	739.3	141.9	178.2	422.1	107.1
16	47.4	24.0	27.9	9.3	226.8	101.0	213.2	684.0	137.8	190.8e	425.7	104.7
17	46.5	24.0	27.0	13.1	203.7	116.7	220.8	618.6	131.0	204.4	369.3	105.8
18	45.5	24.0	26.1	9.8	190.7	128.4	239.2	588.9	128.4	219.0	347.6	100.6
19	44.7	23.8	24.8	12.8	176.8	138.4	241.0	564.0	125.4	221.6	326.7	97.9
20	44.5	22.6	24.0	33.6	134.5	148.1	261.5	548.6	125.7	248.3	304.5	93.0
21	44.3	21.7	23.2	44.8	114.6	153.0	264.6	573.2	142.6	305.9	274.2	89.0
22	42.6	20.6	21.9	105.5	99.9	145.7	258.5	582.0	139.8	331.3	264.6	86.1
23	40.8	20.3	21.1	102.8	88.3	149.3	240.5	557.8	148.0	321.1	233.7	83.6
24	39.8	19.8	20.4	117.7	90.8	160.7e	230.4	504.1	194.4	309.3	218.3	81.8
25	38.8	19.3	19.8	119.6	103.3	172.9	227.9	490.9	231.7	328.2	208.9	78.6
26	37.9	20.3	19.1	114.2	136.5	177.3	266.4	461.1	279.7	360.8	206.1	77.2
27	37.0	20.4	18.7	133.3	159.2	155.2	340.7	443.6	285.6	368.5	204.1	77.2
28	36.1	20.0e	19.4	204.2	151.5	148.7	366.0	400.9	299.8	341.0	192.7	78.3
29	35.3		18.4	203.5	147.8	148.7	332.3	369.2	326.0	330.4e	181.9	79.6
30	34.4		16.7	170.7	150.6	166.1	298.9	353.0	321.7	320.1e	171.5	80.9
31	33.5		15.9		144.7		277.6	332.9		310.1e		82.0
Mean	46.7	25.0	22.5	52.1	199.7	125.7	266.9	447.0	203.2	256.7	339.6	112.6
Maximum	59.1	32.7	33.7	204.2	369.3	177.3	366.0	770.3	326.0	368.5	474.9	179.6
Minimum	33.5	19.3	15.9	8.9	88.3	86.6	193.9	254.9	125.4	174.0	171.5	77.2
Total	125	60	60	135	535	326	715	1197	527	687	880	302

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	176.0	(cubic metres per second)
Maximum	:	770.3	(cubic metres per second)
Minimum	:	8.9	(cubic metres per second)
Total	:	5550	(million cubic metres)

Data availability

Original values	:	352
Estimated values (Flag e)	:	13
Missing values (Flag m)	:	0

Comments : Data quality unknown, but appears to be reasonable
(rating uncertain and no other stations available for checking)

River Jubba at Lugh Ganana 1954

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	84.2	30.8	20.7	16.6	143.2	192.6	172.2	353.3	352.4	427.6	322.6	131.5e
2	96.5	25.4	21.0	27.0	140.0	191.7	169.0	358.1	325.1	416.2	302.4	141.8
3	98.8	27.6	24.6	115.7	136.7	178.4	162.7	375.8	304.5	409.3	281.9	166.4
4	92.7	29.9	24.2	208.6	133.0	163.6	158.7	398.8	299.7	403.5	256.8	188.4
5	85.3	30.1	24.5	175.2	127.2	154.7	166.8	405.5	302.1	411.0	247.8	162.1
6	80.9	29.3	24.1	164.0	139.1	144.4	192.3	403.2	332.6	433.7	242.9	168.1
7	77.5	28.1	24.0	206.7	245.7	141.1	218.8	412.8	363.1	492.0	236.2	181.9
8	76.3	28.3	23.7	525.0	272.3	146.6	225.7	447.6	400.2	577.0	226.8	189.3
9	71.0	27.1	21.9	503.9	315.4	162.7	226.8	518.1	432.3	590.1	217.3	181.0
10	66.1	26.2	20.4	447.5	320.5	184.9	233.6	607.9	464.0	594.0	196.3	180.3
11	61.7	25.5	19.2	358.2	343.9	218.1	257.4	614.3	481.9	803.2	195.3	168.8
12	59.2	24.8	18.4	349.8	379.7	228.3	267.4	581.7	492.0	916.3	184.3	160.7
13	57.0	24.7	17.2	353.7	367.6	221.8	288.9	567.7	529.6	912.8	180.5	153.6
14	54.8	24.7	16.6	325.5	339.1	212.4	314.1	607.8	556.9	836.4	175.9	147.2
15	52.7	24.6	16.3	366.3	325.1	203.7	312.3	589.8	578.0	753.9	165.1	144.6
16	51.9	24.3	15.0	364.7	306.3	185.5	309.3	548.3	592.2	694.4	158.9	150.2
17	57.7	26.5	15.2	311.7	283.9	184.8	308.4	528.8	624.3	665.3	153.9	153.9
18	56.2	29.5	15.3	255.7	264.6	197.3	317.7	532.6	674.9	657.2	150.0	140.7
19	54.9	24.7	15.2	217.8	247.0	196.5	330.7	556.1	726.3	654.6	144.9	138.0
20	54.5	23.2	14.7	216.2	249.4	196.8	316.5	556.5	690.6	622.7	139.2	133.9
21	52.7	22.0	14.3	206.7	241.6	202.4	325.4	545.1	613.2	572.9	138.4	122.7
22	50.2	22.1	14.8	186.5	233.8	211.4	330.6	517.3	591.8	541.6	138.2	113.4
23	45.8	23.8	19.0	210.8	222.1	215.9	322.6	489.8	562.1	529.9	136.7	107.5
24	42.6	24.6	37.4	183.2	209.2	208.4	349.6	463.3	556.1	510.0	135.7	104.0
25	40.0	24.7	20.3	169.3	192.7	202.6	387.1	440.0	544.7	499.5	138.6	99.9
26	38.6	23.6e	17.1	149.8	176.4	201.7	416.9	429.8	516.5	479.4	141.7	95.8
27	36.4	22.5	16.7	146.3	153.9	199.4	420.0	409.7	498.7	461.2	132.3	92.9
28	35.3	22.3	17.1	143.8	168.3	194.6	398.8	388.7	464.1	418.7	111.1	90.0
29	34.3		17.3	143.6	160.9	190.7	377.1	373.4	423.5	392.1	118.8	86.3
30	32.8		18.0	144.6	150.2	179.6	369.2	366.2	429.4	362.4	125.0e	83.5
31	31.9		16.8		148.7		361.4	357.8		337.8		81.2
Mean	59.0	25.7	19.4	239.8	230.2	190.4	290.6	475.7	490.8	560.5	183.2	137.4
Maximum	98.8	30.8	37.4	525.0	379.7	228.3	420.0	614.3	726.3	916.3	322.6	189.3
Minimum	31.9	22.0	14.3	16.6	127.2	141.1	158.7	353.3	299.7	337.8	111.1	81.2
Total	158	62	52	622	617	494	778	1274	1272	1501	475	368

(Total flows in million cubic metres per month)

Annual statistics

Mean : 243.3 (cubic metres per second)
Maximum : 916.3 (cubic metres per second)
Minimum : 14.3 (cubic metres per second)
Total : 7673 (million cubic metres)

Data availability

Original values : 362
Estimated values (Flag e) : 3
Missing values (Flag m) : 0

Comments : Data quality unknown, but appears to be good
(rating uncertain and no other stations available for checking)

River Jubba at Lugh Ganana 1955

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	79.3	61.2	33.4	30.3	193.7	68.6	47.1	128.2	281.1	257.6	244.5	129.2
2	77.2	62.6	32.0	28.7	141.7	68.6	64.3	147.7	305.7	252.9	253.9	116.3
3	75.6	64.0	31.7	27.8	161.5	69.2	73.8e	157.2	320.8	267.4	332.6	112.7
4	73.3	66.8	31.0	27.2	144.3	67.1	84.6	172.9	305.1	302.0	345.1	109.3
5	70.7	68.5	30.2	27.4	150.4	63.6	93.4	178.7	300.9e	348.0	335.9	109.7
6	67.4	75.8	29.4	25.6	152.1	59.6	106.6	190.5	296.7	361.4	322.0	108.6
7	64.8	77.0	28.7	24.7	209.2	57.5	116.3	192.4	294.1	367.2	298.3	107.1
8	61.9	77.4	28.2	24.0	289.5	53.2	116.5	183.6	304.8	376.1	278.8	105.8
9	61.3	78.9	25.8	23.3	262.2e	51.6	110.4	180.3	345.5	393.7	260.7	112.0e
10	60.5	76.9	25.6e	22.6e	237.4	50.7	113.8	187.9	369.5	418.7	244.8	118.6
11	60.3	73.0	25.4e	21.8	199.7	50.3	112.7e	206.4	372.1	464.1	239.9	106.2
12	61.9	67.6	25.2e	29.6e	170.6	48.7	111.6	227.6	356.2	496.5	240.2	104.0
13	71.3	63.6	24.9e	40.3	159.4	47.5	112.2e	229.6	338.4	504.0	225.7	105.1
14	71.2	59.3	24.7	46.2	144.9	46.5	112.9	213.2	327.9	555.9	216.0	118.4
15	70.8	56.2	22.9e	31.9	138.6	45.6	112.3	204.4	291.2	600.8	199.0	111.7e
16	70.4	54.4	21.2e	30.1	133.9	45.4e	115.7	214.0	287.1	594.2	198.7	105.4
17	67.4	51.0	19.6e	37.7	124.0	45.1	120.0	235.7	308.1	573.2	203.2	104.4
18	64.8	49.7	18.1	90.9	123.6	61.9	137.2	247.1	301.5e	574.4	193.9	104.0
19	61.7	49.4	20.1	106.7	118.9e	69.9	146.6	286.0	295.0	603.2	192.2	102.7
20	60.5	48.5	m	108.6	114.4	67.9	134.7	295.0	295.3	619.3	191.0	101.3
21	59.6	47.8	m	95.5	119.8	51.4	127.4	306.9	288.7	603.4	182.9	99.9
22	55.2	47.8	m	95.5	151.7	50.2	124.0	296.8	239.1	522.5	175.6	98.4
23	52.8	43.9	m	96.7	107.9	49.5	121.1	301.5	222.1	483.1	170.6	97.2
24	51.6	41.6	m	96.7	102.2e	48.5	112.7	279.9	214.4	449.6	161.8	97.4
25	50.7	39.9	m	100.6	96.9	47.6	110.2	260.1	220.8	420.0	159.1	99.5
26	50.8	38.2	m	94.1	87.3	44.5e	109.7	243.5	223.1	388.1	158.7	98.2e
27	52.4	33.6	m	98.9	83.3	41.6e	107.5	252.7	230.4	356.3	156.5	96.9
28	52.8	34.1	m	136.7	79.6	38.8e	109.2	257.6	234.4	324.8	150.6	95.8
29	53.9		33.4	149.3	75.9	36.3	121.7	257.6	219.6	298.9	146.1	94.9e
30	55.9		32.8	187.5	73.1	42.6	123.8	264.6	244.6	271.6	138.4	94.1
31	58.2		32.4		69.9		124.0	270.2		256.3		93.0
Mean	62.8	57.5	-	65.2	142.5	53.0	110.8	228.0	287.8	429.2	220.6	105.1
Maximum	79.3	78.9	-	187.5	289.5	69.9	146.6	306.9	372.1	619.3	345.1	129.2
Minimum	50.7	33.6	-	21.8	69.9	36.3	47.1	128.2	214.4	252.9	138.4	93.0
Total	168	139	-	169	382	137	297	611	746	1150	572	281

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	331
Estimated values (Flag e)	:	25
Missing values (Flag m)	:	9

Comments : Data quality unknown, but appears to be reasonable
(rating uncertain and no other stations available for checking)

River Jubba at Lugh Ganana 1956

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	90.8	57.3	m	m	346.2	217.8	105.9e	258.6	357.8	288.6e	751.0	138.4
2	78.8	66.6	m	m	452.7	211.9	130.2	282.5	372.4	317.7e	724.1	149.4
3	75.8	72.2	m	m	481.3	202.7	133.9	297.6	385.8e	349.8	656.4	208.8
4	75.5	71.2	m	m	522.9	196.5	156.8	296.8	399.7e	362.8	534.0e	156.9
5	80.1	69.7	m	m	436.6	188.1	165.7	277.9	414.1e	411.2	434.3	145.7
6	79.8	62.3	m	m	376.5	209.4	196.6	267.9	429.0	439.6	457.6	139.4
7	73.2	59.5	m	m	341.0	220.8	203.1	275.9	429.0	442.4	403.4	138.4
8	72.8	59.2	m	m	322.7	220.8	210.6	285.4	384.3e	437.1	342.1	138.4e
9	78.2	58.9	m	m	244.9	211.9	218.4	306.0	344.2	431.1	264.6	138.4
10	82.7	57.3	m	m	227.4	201.9	259.7	323.3	394.2	437.1	285.7	137.3
11	82.2	m	m	m	197.1	191.0	273.6	337.8	412.8	446.0	308.7	130.2
12	81.0	m	m	m	190.3e	174.5	265.1	361.7	440.7	468.4	280.0e	123.3
13	80.7	m	m	m	183.8	163.1	252.7	386.3	456.8	521.6e	254.0	122.3
14	79.6	m	m	m	187.4	148.9	235.2	398.1	464.0	580.8	254.0	122.3
15	78.5	m	m	28.2	168.8	145.7	226.1	388.0	451.4	597.1	251.3	122.3e
16	78.3	m	m	117.2	180.6	139.4	188.7	374.7	403.3	669.6	235.2	122.3
17	78.3	m	m	159.9	230.1	138.4	182.1	361.7	363.4	784.3	232.5	122.3
18	77.7	m	m	164.2	208.4	137.3	178.6	348.9	341.0	846.3	237.9	122.3
19	74.1	m	m	164.2	167.8	131.2	172.4	337.8	355.4	905.8	268.0	122.3
20	74.2	m	m	166.5	195.9	130.2	162.2	335.6	396.6	943.3	262.4	120.3
21	73.5	m	m	180.3	203.9	130.2	160.0	331.9	341.2	998.5	282.5	108.1
22	73.1	m	m	189.4	212.7	114.0e	155.0	339.5e	302.1	1026.1	219.9	99.9
23	72.2	m	m	230.8	196.1	99.9	148.9	347.3	284.5	1050.9	189.9	93.7
24	72.1	m	m	233.3	196.5	104.5	155.4	336.3	274.5	1105.5e	159.9	93.2e
25	71.9	m	m	226.1	199.1	133.4	164.2	325.4	254.1	1162.9	155.4	92.6e
26	71.0	m	m	188.7	238.0	110.8e	172.2	323.8	233.9	1225.0	155.4	92.0
27	70.8	m	m	193.8	252.7	131.5	172.2	325.4	224.7	1308.8	155.4	86.9
28	70.8	m	m	265.6	250.0	92.3	165.4	334.7	232.0	1350.2	154.3	86.1
29	70.5	m	m	295.5	228.6	86.1	167.7	334.1e	238.1	1280.5	146.8	86.1
30	67.1		m	347.4	234.7	86.1	192.3	333.4	262.1e	1011.5	139.4	86.1
31	57.4		m		206.5		223.0	347.6		795.4		82.8e
Mean	75.6	-	-	-	260.7	155.7	186.9	328.4	354.8	741.8	306.5	120.3
Maximum	90.8	-	-	-	522.9	220.8	273.6	398.1	464.0	1350.2	751.0	208.8
Minimum	57.4	-	-	-	167.8	86.1	105.9	258.6	224.7	288.6	139.4	82.8
Total	202	-	-	-	698	404	501	880	920	1987	795	322

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	280
Estimated values (Flag e)	:	22
Missing values (Flag m)	:	64

Comments : Data quality unknown, but generally appears to be reasonable
(rating uncertain and no other stations available for checking)

River Jubba at Lugh Ganana 1957

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	79.6	50.6	53.3	m	245.8	m	152.2	254.7e	231.2	192.2	423.8	192.3
2	79.6	50.6e	46.2e	m	314.7	252.3	144.1	254.0	232.5	191.0	391.4	227.4
3	79.6	50.6	40.1	56.6	375.5	384.2	212.5	252.7	232.5e	182.6	378.0	244.5
4	79.6	50.6	36.2	60.0	474.2	437.9	241.9	250.0	232.5	174.5	400.1	265.2
5	76.4e	50.6	32.4	55.9	566.2	444.9	252.7	279.4	233.8	173.3	489.0	300.3
6	73.3	50.6	31.3	51.2	m	450.3	242.4e	267.9	241.8	164.1e	515.0	388.5
7	73.3	50.6	28.3	53.3	m	420.4	232.5	263.7	243.2	155.4	m	340.6
8	73.3	50.6	27.8	73.5	m	429.0e	222.0e	255.4	236.6	149.5e	m	299.2
9	73.3	50.6e	27.8e	96.4	599.9	437.9	211.9	254.0	197.2	143.8e	m	288.8
10	73.3	50.6	27.8	100.8	624.7	406.6	201.8e	282.1e	183.8	138.4	254.0	291.3e
11	72.5	50.6	27.8	106.2	633.1	401.5	192.2	313.2	180.3	142.5e	254.0	293.9
12	68.0	50.6	39.2	107.1	650.0	393.1	192.2	322.3	166.5	146.8	220.9e	330.1
13	67.3	50.6	121.1	106.3e	596.0	342.7	206.6e	323.8	166.5	146.8e	192.2	264.5e
14	67.3	50.6	131.2	105.5	528.7	325.4	222.1	302.3e	183.9	146.8	192.2	211.9
15	65.3e	50.6	130.2	137.5	447.0	286.0e	222.1	282.2	205.7	146.8	193.4	208.2
16	63.3e	50.3e	120.2e	124.3	391.5	251.3	260.6e	317.8	193.4	146.8	200.7	187.4
17	61.5	49.9	110.9	114.6	358.6	232.6	305.7	320.1e	182.6	150.0	206.8e	188.6
18	61.5e	46.1	134.3	116.9	317.8	214.4	342.6	322.3	174.5	182.1	213.2	173.4
19	61.5	45.5	138.4	177.4	299.5e	170.4e	341.1	310.2	177.9e	268.7	220.8	157.6
20	61.5	45.5	138.4	213.2	282.2	135.4	295.4	298.3	181.4	311.8	230.1	155.4
21	61.5	46.1	136.3	193.4	247.3	167.7	283.7	333.3	174.5	282.2	271.0	157.6
22	61.5	49.3	124.3	168.6	230.7	181.3e	258.2	301.3	174.5	273.5e	239.4	168.8
23	60.7	45.5	119.3e	123.2	211.4	195.9	261.1	325.5	181.4	265.1	284.7	157.6
24	56.6	41.3	114.6	99.1	211.4	161.0	304.3	301.3	183.8	265.8e	271.7	153.9e
25	55.9	40.1	114.6	85.1	226.7e	155.4	313.2	276.5	191.0	266.4	293.5	150.3e
26	55.9e	36.7	114.6	123.0	243.2	154.3	319.3	254.1	192.2	414.7	232.8	146.8
27	55.9	36.1	114.6e	122.6	243.2	147.8	305.7	235.2	192.2	422.2	219.5	143.6
28	55.9	38.5	114.6	77.0	243.2	147.3e	314.8	222.6e	192.2	378.2	205.6	129.3
29	55.6e		114.6	63.9	241.5e	146.8	280.8	210.6	192.2e	420.5	210.6	144.8
30	55.2		114.6	145.6	211.9	149.4e	265.1	205.6	192.2e	421.6e	208.2	112.9
31	51.2		114.6		211.9		255.4	220.8		422.7e		109.9e
Mean	65.7	47.5	88.4	109.2	365.3	276.7	253.4	277.8	198.1	235.0	274.5	212.4
Maximum	79.6	50.6	138.4	-	-	-	342.6	333.3	243.2	422.7	-	388.5
Minimum	51.2	36.1	27.8	-	-	-	144.1	205.6	166.5	138.4	-	109.9
Total	176	115	237	-	-	-	679	744	514	630	-	569

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	302
Estimated values (Flag e)	:	54
Missing values (Flag m)	:	9

Comments : Data quality unknown, but appears to be somewhat doubtful
(rating uncertain and no other stations available for checking)

River Jubba at Lugh Ganana 1958

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	107.1	67.3	m	m	237.9	m	m	518.8	501.7	441.4	473.8	m
2	106.2	68.8	121.3	m	273.7	m	m	m	496.1	430.8	484.9	m
3	100.8	77.2	115.5	m	285.3	m	m	457.5	462.9	429.0	m	m
4	96.3e	74.1	110.0	m	222.4	m	m	m	448.6	m	m	m
5	92.0	75.7	83.8	m	210.6	m	m	388.0	396.5	415.1	m	m
6	86.9	91.2	79.6	m	203.1	m	m	388.0	m	415.1	m	m
7	86.1	99.0	77.2	m	201.9	m	m	m	456.1	m	472.0	m
8	86.1	96.4	65.1	m	201.9	m	m	m	363.7	411.7	m	m
9	86.1	76.5	71.8	m	200.7	m	m	m	348.9	389.7	m	m
10	83.2e	74.9	71.8	m	192.2	m	m	m	357.0	376.4	429.0	m
11	80.4	85.3	62.9	m	182.6	m	m	m	405.0	m	429.0	m
12	83.7	91.2	61.5	m	174.5	m	m	m	403.2	374.7	m	214.9
13	74.9	86.9	60.7	m	173.3	m	m	m	m	365.1	361.7	288.4
14	73.3	86.1	56.6	m	m	m	m	m	398.1	308.8	m	251.5
15	73.3	86.1e	53.5e	m	168.8	m	m	m	378.0	m	m	m
16	73.3	86.1	50.6	m	142.6	m	m	m	376.4	485.1	m	265.1
17	73.3	89.5	49.9	m	m	m	m	m	386.3	569.9	323.8	m
18	79.1e	111.8	46.1	m	m	m	487.1	m	389.7	608.1	314.9	222.1
19	85.3	116.6	46.8	m	m	m	586.1	m	399.8	m	259.8	222.1
20	80.4	90.4	53.2	m	m	m	639.4	474.9	403.2	m	235.2	m
21	80.4	m	48.0	m	m	m	m	320.5	413.4	m	232.5	222.1
22	85.3	m	53.2	m	m	m	565.6	279.3	413.4	472.0	m	m
23	85.3	m	47.4	m	m	m	573.6	m	420.8	m	m	m
24	80.4	m	49.9	m	m	m	551.8	308.8	528.9	429.0	m	m
25	80.0e	m	m	86.1	m	m	m	366.4	m	516.8	m	m
26	79.6	m	m	m	m	m	579.6	394.6	472.0	541.6	m	m
27	79.6	m	m	180.0	m	m	m	460.9	m	520.7	m	m
28	79.2e	m	m	281.6	m	m	563.6	m	422.1	511.2	m	m
29	78.8		m	m	m	m	559.7	m	461.2	477.6	m	m
30	74.1		m	m	m	m	536.1	501.7	446.7	472.0	m	m
31	70.6e		m		m		530.3	501.7		m		m
Mean	83.2	-	-	-	-	-	-	-	421.1	-	-	-
Maximum	107.1	-	-	-	-	-	-	-	-	-	-	-
Minimum	70.6	-	-	-	-	-	-	-	-	-	-	-
Total	223	-	-	-	-	-	-	-	-	-	-	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	174
Estimated values (Flag e)	:	8
Missing values (Flag m)	:	183

Comments : Original data intermittent and appears to be of doubtful quality
(rating uncertain and no other stations available for checking)

River Jubba at Lugh Ganana 1959

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	m	m	208.2	299.7	233.9	306.4	266.5	1107.9	241.8
2	m	m	m	m	322.3	210.0e	299.7	226.0	329.1	262.3	1113.5	235.2
3	m	m	m	m	342.9	211.9	299.7	241.9	347.9	243.2	992.2	239.2
4	m	m	m	m	m	211.9	299.7	254.0	361.7	230.0	833.0	218.4
5	m	m	m	m	201.9	211.9	299.7	262.3	381.5	259.6	922.9	178.1
6	m	m	m	m	m	210.6	294.5e	259.6	450.6	267.9	871.5e	165.4
7	m	m	m	m	m	205.6	289.4	286.6	559.2	282.2	822.9	164.8e
8	m	m	m	m	240.5	223.5	298.2	308.7	612.7e	276.6	808.7	164.2
9	m	m	m	m	224.7	250.0	289.7	321.4e	671.4	327.1	779.1	166.5
10	m	m	m	m	224.7	254.0	234.1	334.7	724.0	344.0e	621.2	180.3
11	m	m	m	m	240.5	248.5e	237.8	322.3	719.7	361.7	591.8	180.3
12	m	m	m	m	251.5	243.2	224.7	302.7	641.6	360.1	555.9	166.5
13	m	m	m	m	301.4	242.5e	211.5e	298.2	589.7e	355.3	479.6	164.2
14	m	m	m	m	301.2	241.8	199.1e	288.0	542.0	386.4	445.0	162.0
15	m	m	m	m	m	232.5	187.4	277.9	507.4	415.2	422.2	148.9
16	m	m	m	m	m	223.4	217.0	m	502.7e	448.7	363.6	146.8
17	m	m	m	m	243.2	m	211.1	m	498.0	546.1	316.0	146.8
18	m	m	m	m	235.9e	m	147.2	m	473.9	801.1	297.9	146.8
19	m	m	m	m	228.9e	m	131.2	m	459.3	800.2e	287.7	146.8e
20	m	m	m	31.8	222.1	222.1	129.2	243.2	420.3e	799.4	279.3	146.8
21	m	m	m	31.8e	220.8	222.1	122.3	228.0	384.7	753.3	283.6	m
22	m	m	m	31.8	214.4	223.4e	116.5	142.3	364.9	715.1	266.6	m
23	m	m	m	31.8	224.7	224.7	121.3	122.3	361.7	684.3	255.4	m
24	m	m	m	38.6e	244.6	247.4	m	115.5	341.4e	682.2e	255.4	m
25	m	m	m	46.7e	215.8	292.5	m	m	322.3	680.1e	265.1	m
26	m	m	m	56.6	203.1	301.2	m	m	311.7	678.0	275.0	m
27	m	m	m	77.9	199.5	308.7	254.0	166.5	301.2	795.6	257.9e	m
28	m	m	m	199.1	185.0	301.2	249.2e	180.3	298.2	961.0	241.8	m
29	m		m	m	182.6	300.7e	244.5	204.0e	288.0	1006.8	235.2	m
30	m		m	m	184.4e	300.2e	252.7	230.8e	276.4	1043.5	241.8	m
31	m		m		186.2		251.3	261.1		1070.1		m
Mean	-	-	-	-	-	243.5	229.0	-	445.0	551.7	516.3	-
Maximum	-	-	-	-	-	-	-	-	724.0	1070.1	1113.5	-
Minimum	-	-	-	-	-	-	-	-	276.4	230.0	235.2	-
Total	-	-	-	-	-	-	-	-	1153	1478	1338	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	193
Estimated values (Flag e)	:	32
Missing values (Flag m)	:	140

Comments : Original data intermittent and appears to be of doubtful quality
(rating uncertain and no other stations available for checking)

River Jubba at Lugh Ganana 1960

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	m	m	m	m	m	262.9	m	m	m
2	m	m	m	474.1	m	m	m	114.6	267.1	182.6	m	m
3	m	m	m	172.6	m	m	m	m	254.6	m	m	m
4	m	m	m	m	m	m	m	m	244.5	162.0	m	m
5	m	m	m	m	m	m	m	201.9	243.2	146.8	m	m
6	m	m	m	m	m	m	m	m	243.2	132.2	m	m
7	m	m	m	130.2	m	m	m	m	245.9	m	m	m
8	m	m	m	m	m	m	m	211.9	262.3	114.6	m	m
9	m	m	m	146.8	m	m	m	m	265.1	m	m	m
10	m	m	m	126.9	m	259.1	m	204.4	266.5	114.6	m	m
11	m	m	m	29.7	m	289.8	m	217.0	275.0	114.6	m	m
12	m	m	m	m	m	m	m	203.2	282.2	m	m	m
13	m	m	m	40.7	m	288.0	m	193.4	317.8	276.8	m	m
14	m	m	m	m	m	m	m	m	m	354.1	m	m
15	m	m	m	61.5	m	m	m	182.6	333.1	399.8	m	m
16	m	m	m	m	m	m	243.2	185.0	308.8	423.8	m	m
17	m	m	m	m	m	m	m	199.5	270.8	413.5	m	m
18	m	m	m	17.2	m	m	m	m	264.6	388.0	m	m
19	m	m	336.2	15.1	m	m	m	m	259.0	364.9	m	m
20	m	m	m	4.7	m	m	m	220.8	245.3	361.7	m	m
21	m	m	441.8	m	m	m	m	211.9	240.5	358.5	m	m
22	m	m	350.9	m	m	m	m	203.1	227.3	339.4	m	m
23	m	m	336.2	m	m	m	m	m	240.5	m	m	m
24	m	m	m	m	m	m	m	199.5	243.2	m	m	m
25	m	m	m	m	m	m	m	185.0	240.5	347.5	m	m
26	m	m	m	m	m	m	m	183.8	226.0	422.4	m	m
27	m	m	m	m	m	m	m	187.4	227.3	462.9	m	m
28	m	m	m	m	m	m	m	167.7	205.7	446.7	m	m
29	m	m	m	m	m	m	m	m	m	429.4	m	m
30	m		336.2	m	m	m	m	224.7	m	357.2	m	m
31	m		m		m		m	243.2		393.1		m
Mean	-	-	-	-	-	-	-	-	257.9	-	-	-
Maximum	-	-	-	-	-	-	-	-	-	-	-	-
Minimum	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	91
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	275

Comments : Data appears to be of very doubtful quality
(rating uncertain and no other stations available for checking)

River Jubba at Lugh Ganana 1961

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	m	m	212.2	m	396.4	388.0	385.3	425.6	922.6
2	m	m	m	m	m	172.0	m	404.9	364.3	362.7	416.9	897.7e
3	m	m	m	m	m	252.5	m	430.9	360.1	345.1	413.4	873.4
4	m	m	m	m	487.1	176.5	m	474.0	374.7	340.3	410.8	803.8
5	m	m	m	m	552.7	153.3	201.9	524.6	362.4	365.1	455.8	714.4
6	m	m	m	m	412.7	175.7	221.6e	516.9e	349.8	415.4	466.5	645.0
7	m	m	m	m	m	171.1	243.2	509.3	346.6	479.8	490.2	597.5
8	m	m	m	m	m	194.6	237.9	549.5	359.4	590.3	612.8	563.7
9	m	m	m	m	222.1	189.8	204.5	518.5	425.6e	669.3	662.8	534.2
10	m	m	m	m	222.1	217.0	185.0	518.7	504.0	680.0	688.7	515.0
11	m	m	m	159.9	m	222.1	189.9	610.5	602.3	684.3	668.3	499.9
12	m	m	m	134.3	m	224.7	235.3	624.8	562.7	717.4	641.6	562.7
13	m	m	m	m	m	240.5	245.9	682.2	495.2	774.0	485.1	619.4
14	m	m	m	m	m	243.2	261.5	662.8	442.3	852.1	566.5	567.1
15	m	m	m	m	271.9	243.2	259.3	624.0	391.5	864.1	730.3	442.0
16	m	m	m	m	255.7e	m	m	560.6	364.9	846.2	969.2	389.7
17	m	m	m	m	240.5	m	m	513.9	361.7	828.2	1018.8	361.7
18	m	m	m	m	222.1	m	m	473.5	360.7	763.9	1029.8	348.4
19	m	m	m	m	199.6	222.1	m	441.5	356.5	706.3	1181.0	399.2
20	m	m	m	m	166.6	m	275.3	404.2	367.9	664.9	1027.2	397.4
21	m	m	m	m	148.9	m	333.3	385.7	388.7	641.5	1005.7	360.2
22	m	m	m	m	m	m	314.7	390.7	415.2	636.0	1035.7	314.8
23	m	m	m	m	155.4	m	301.5	413.5	437.9	637.7	1110.7	289.4
24	m	m	m	m	m	m	298.5	429.1	427.3	650.3	1071.8	276.4
25	m	m	m	m	m	m	278.2	447.9	399.8	619.7e	1026.8	266.5
26	m	m	m	m	146.8	m	266.5	486.1	365.6	590.6	931.8	263.7
27	m	m	m	m	146.8	m	m	470.6	355.9	559.3	892.9	252.7
28	m	m	m	222.1	m	m	m	444.2	360.7	536.7e	917.7	233.9
29	m		m	m	146.8	m	290.9	451.0	365.6	515.0	925.4e	223.4
30	m		m	472.0	m	m	314.8	428.7	388.7	492.5	929.7e	217.6e
31	m		m		222.1		360.2	413.1		427.5		211.9
Mean	-	-	-	-	-	-	-	490.4	401.5	601.3	773.7	469.9
Maximum	-	-	-	-	-	-	-	682.2	602.3	864.1	1181.0	922.6
Minimum	-	-	-	-	-	-	-	385.7	346.6	340.3	410.8	211.9
Total	-	-	-	-	-	-	-	1313	1041	1611	2005	1258

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	201
Estimated values (Flag e)	:	10
Missing values (Flag m)	:	154

Comments : Original data intermittent and appears to be of doubtful quality
(rating uncertain and no other stations available for checking)

River Jubba at Lugh Ganana 1962

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	218.3	m	m	113.6	189.4	m	130.2	129.2	223.4	338.1	m	m
2	194.6	m	m	106.2	211.9	m	131.2	124.2	220.8	327.9	m	m
3	182.6	m	m	94.6	224.7	m	138.4	129.2	214.4	326.3	m	m
4	173.3	m	m	79.3e	248.6	m	145.7	131.2	218.3	315.3	m	m
5	163.1	m	m	66.5	247.2	m	146.5	138.4	203.2	327.0	m	m
6	146.8	m	m	61.5	258.2	112.7	143.4	143.6	192.2	363.5	m	m
7	132.2	m	m	57.3	232.6	100.8	131.0	132.2	186.2	409.0	m	m
8	m	m	m	62.2	221.5	91.2	122.3	130.2	197.0	425.6	m	m
9	m	m	m	73.4	315.4	75.7	117.4	131.2	185.0	466.7	m	m
10	m	m	m	87.0	317.8	73.3	128.2	138.4	185.0	513.1	m	m
11	m	m	m	100.8	328.5	82.1e	130.2	150.1	199.5	538.9	m	m
12	m	m	m	82.9	302.7	92.0	132.2	185.3	207.0	559.3	m	m
13	m	m	m	90.6e	286.5	87.8	144.7	238.1	249.1	547.1	m	m
14	m	m	m	99.0	270.8	92.0	145.7	259.6	315.0	491.0	m	m
15	m	m	m	92.0	285.1	92.0	138.4	248.6	273.8	443.9	m	m
16	m	m	m	83.7	290.9	86.1	131.2	261.0	265.1	m	m	m
17	m	m	m	97.3	304.2	80.4	131.2	255.4	266.5	m	m	m
18	m	m	m	103.5	279.4	79.6	138.0	252.7	273.6	m	m	m
19	m	m	m	128.3	263.8	80.4	142.1	243.2	270.8	m	m	m
20	m	m	m	145.7	243.2	85.3	138.0	231.2	299.8	m	m	m
21	m	m	m	151.1	222.1	85.3	131.2	213.2	334.8	m	m	m
22	m	m	m	133.3	204.4	81.2	131.2	203.1	355.3	m	m	m
23	m	m	36.5	136.5	182.0e	86.1	136.3	245.3e	339.4	m	m	m
24	m	m	68.4	172.3	162.0	92.0	130.2	296.3	336.2	m	m	m
25	m	m	76.5	155.5	146.8	93.7	122.3	345.2	343.3e	m	m	m
26	m	m	66.6	139.6	132.2	100.8	117.4	335.7	350.5	m	m	m
27	m	m	84.6	172.3	m	112.7	131.3	311.7	360.1	m	m	m
28	m	m	99.0	155.5	m	114.6	151.1	288.0	358.5	m	m	m
29	m		107.1	129.4	m	122.1e	146.8	266.6	342.5	m	m	m
30	m		113.6	115.3	m	130.2	138.4	252.7	355.3	m	m	m
31	m		114.6		m		131.2	233.9		m		m
Mean	-	-	-	109.5	245.1	93.2	134.6	214.3	270.7	-	-	-
Maximum	-	-	-	172.3	-	-	151.1	345.2	360.1	-	-	-
Minimum	-	-	-	57.3	-	-	117.4	124.2	185.0	-	-	-
Total	-	-	-	284	-	-	361	574	702	-	-	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	197
Estimated values (Flag e)	:	7
Missing values (Flag m)	:	161

Comments : Data quality unknown, but appears to be somewhat doubtful
(rating uncertain and no other stations available for checking)

River Jubba at Lugh Ganana 1963

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	18.6e	13.8e	9.7e	448.7	262.8	182.6	200.9	193.4	179.7	146.2	345.0
2	m	18.1e	16.4e	9.9e	390.3	254.6	186.0	212.2	227.7	218.9	143.4	283.9
3	m	17.2e	18.6e	10.3e	463.7	250.8	207.1	213.8	218.1	277.5	141.9	281.2
4	m	16.4e	19.3e	11.0e	577.6	247.6	214.5	210.7	208.6	287.9	143.3	276.8
5	m	16.0e	18.6e	12.2e	689.8	241.1	199.7	200.4	219.2	278.9	146.6	265.7
6	m	15.7e	17.6e	13.9e	580.2	231.9	185.7	190.0	241.8	264.7	154.1	264.5
7	m	15.3e	17.0e	15.2e	643.5	228.5	170.7	184.9	238.5	250.3	159.7	275.1
8	m	15.4e	16.3e	16.7e	621.0	228.3	165.3	183.5	230.7	239.7	163.7	352.2
9	m	16.2e	15.4e	23.2e	550.4	222.0	158.4	183.5	228.6	237.7	160.8	362.9
10	m	17.5e	14.5e	40.4e	531.5	228.7	153.1	179.8	230.7	237.9	158.0	354.2
11	m	18.1e	13.8e	88.7e	508.7	235.5	151.3	172.7	223.7	238.8	153.2	361.4
12	m	17.7e	13.3e	193.0e	595.9	245.6	157.5	165.6	214.0	245.5	147.9	353.4
13	m	17.0e	13.0e	331.5e	660.2	252.6	160.9	163.4	198.8	260.9	146.6	352.2
14	m	16.4e	13.4e	444.2e	650.5	252.6	158.8	167.7	184.3	272.0	172.2	391.7
15	m	15.6e	14.2e	494.0e	641.1	241.6	174.6	172.2	171.1	266.8	257.7	395.6
16	m	15.1e	15.0e	506.5e	618.6	229.0	182.2	170.4	159.4	262.8	265.2	365.9
17	m	14.8e	15.7e	516.4e	564.6	218.4	181.8	166.4	149.9	254.3	257.9	339.6
18	m	14.4e	16.2e	537.9e	526.8	207.4	183.4	161.0	144.5	242.6	290.2	311.5
19	m	14.0e	15.9e	558.3e	506.7	199.4	182.8	156.0	141.7	229.9	314.6	277.5e
20	m	13.6e	14.9e	535.5e	488.8	202.6	183.5	166.9	137.8	217.4	328.2	250.6e
21	m	13.2e	13.8e	496.7e	457.4	202.0	189.3	182.7	134.3	204.7	348.4	227.0e
22	24.0e	12.9e	13.3e	481.8e	425.6	193.3	200.8	204.6	129.7	200.0	339.0	206.0e
23	23.8e	12.5e	12.7e	480.2e	386.3	184.5	194.8	221.1	127.1	196.2	313.2	189.4e
24	23.5e	12.1e	12.1e	473.3e	361.4	185.0	190.9	248.5	125.4	190.3	294.6	175.2e
25	23.1e	11.8e	11.5e	469.3e	360.5	181.0	180.5	254.9	121.8	182.9	281.5	160.2e
26	22.6e	11.7e	10.7e	484.2e	340.9	171.0	171.0	245.7	118.5	172.1	271.2	151.9e
27	22.0e	11.8e	9.9e	517.0e	323.0	179.0	169.8	231.5	116.4	164.6	263.1	144.9e
28	21.0e	12.3e	9.6e	543.9e	301.9	192.3	192.1	223.2	120.6	159.9	253.8	141.3e
29	19.9e		9.8e	530.2e	282.3	192.8	200.4	216.0	132.2	156.4	256.9	137.8e
30	19.2e		9.9e	489.0e	274.4	184.4	191.1	202.5	153.7	153.1	324.1	137.0e
31	18.9e		9.7e		265.8		190.0	189.4		151.7		134.7e
Mean	-	15.1	14.1	311.1	485.1	218.2	181.0	194.9	174.7	222.5	226.6	266.7
Maximum	-	18.6	19.3	558.3	689.8	262.8	214.5	254.9	241.8	287.9	348.4	395.6
Minimum	-	11.7	9.6	9.7	265.8	171.0	151.3	156.0	116.4	151.7	141.9	134.7
Total	-	36	38	806	1299	566	485	522	453	596	587	714

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	232
Estimated values (Flag e)	:	112
Missing values (Flag m)	:	21

Comments : The Der flood (peaking on December 15th) was by far the latest recorded in the period 1951-89

River Jubba at Lugh Ganana 1964

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	129.5e	46.5e	20.5e	7.9e	87.1	60.6	101.3	136.4	275.9	284.1	412.3	106.8e
2	122.7e	45.0e	19.6e	8.0e	94.9	59.4	113.3	149.5	273.6	285.1	415.9	108.2e
3	117.1e	43.3e	18.8e	11.2e	97.7	68.0	124.5	286.9	278.1	299.8	403.3	112.0e
4	113.0e	41.6e	18.2e	21.4e	87.3	71.0	132.5	321.7	277.7	329.7	380.3	117.4e
5	108.2e	40.5e	17.6e	37.1e	85.5	148.6	137.9	305.4	263.3	332.5	387.9	120.8e
6	102.2e	39.6e	17.0e	57.6e	101.5	346.0	134.5	325.3	231.9	332.5	371.2	115.8e
7	100.3e	38.8e	16.5e	48.2e	104.5	341.0	134.4	342.7	219.5	355.3	347.4	111.6e
8	101.9e	37.7e	16.2e	47.1e	83.1	292.4	134.9	259.3	213.9	432.1	328.6	110.3e
9	104.7e	36.2e	15.9e	43.1e	59.6	252.8	134.7e	184.7	218.6	559.7	303.5	108.5e
10	104.4e	35.0e	15.3e	72.2e	54.0	234.5	130.8e	229.8	220.6	581.1	283.4	108.9e
11	103.6e	33.8e	14.7e	131.3e	58.8	215.8	126.9e	256.6	232.1	539.8	271.2	116.0e
12	103.4e	32.5e	13.9e	110.9e	166.0	211.0	127.1e	323.0	231.1	506.1	238.2	123.3e
13	102.2e	31.6e	13.2e	100.2e	206.9	207.6	127.5e	399.1	246.0	488.9	219.6	114.5e
14	97.1e	30.8e	12.6e	122.5e	185.9	182.6	124.3e	415.4	259.1	483.1	199.3	117.6e
15	91.8e	29.9e	11.9e	130.3e	220.2	167.8	123.5e	390.4	255.1	483.7	190.2	123.5e
16	88.7e	29.5e	11.5e	119.8e	231.6	170.2	128.8e	326.6	240.1	479.6	173.1	135.6e
17	85.9e	29.0e	13.2e	116.3e	235.7	144.5	134.6e	348.8	231.2	545.6	165.2	149.2e
18	82.8e	28.2e	16.0e	146.0e	222.3	135.0	134.4e	338.2	228.8	612.9	162.4	150.0e
19	80.2e	27.3e	14.9e	214.8e	191.2	122.2	135.8e	333.3	219.5	760.9	156.8	138.2e
20	77.4e	26.6e	17.8e	257.1e	186.8	104.0	142.5e	338.8	213.9	708.0	148.0e	116.3e
21	74.3e	26.4e	13.8e	242.1e	191.9	99.3	143.3	340.2	220.9	793.5	143.2e	113.8e
22	71.4e	26.4e	11.1e	191.9e	187.8	88.9	142.4	354.9	259.9	839.8	140.8e	110.0e
23	69.2e	26.3e	10.3e	148.1e	181.9	84.3	137.8	405.2	293.7	803.3	141.4e	117.5
24	66.7e	25.6e	9.8e	167.5e	136.8	81.1	132.4	404.2	330.4	768.8	143.4e	141.0
25	63.6e	24.4e	9.4e	181.3e	118.3	91.7	122.3	380.0	349.9	640.1	145.2e	148.3
26	60.5e	23.4e	9.1e	159.5e	94.9	91.0	113.4	361.9	345.0	549.1	140.2e	162.5
27	57.8e	22.4e	8.8e	112.9e	89.9	82.6	105.8	351.2	334.9	507.5	131.7e	330.1
28	55.6e	21.7e	10.1e	91.1e	81.8	81.0	108.8	326.6	319.0	481.4	121.8e	371.7
29	53.8e	21.2e	13.3e	90.1e	81.4	89.5	115.6	305.4	297.2	442.2	110.8e	364.4
30	52.2e		12.6e	94.6e	68.0	96.4	134.0	280.9	278.6	430.9	108.0e	349.6
31	48.4e		8.7e		64.5		138.2	269.6		418.0		337.4
Mean	86.8	31.8	13.9	109.4	130.9	147.4	128.3	315.9	262.0	518.6	229.5	159.7
Maximum	129.5	46.5	20.5	257.1	235.7	346.0	143.3	415.4	349.9	839.8	415.9	371.7
Minimum	48.4	21.2	8.7	7.9	54.0	59.4	101.3	136.4	213.9	284.1	108.0	106.8
Total	233	80	37	284	351	382	344	846	679	1389	595	428

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	178.5	(cubic metres per second)
Maximum	:	839.8	(cubic metres per second)
Minimum	:	7.9	(cubic metres per second)
Total	:	5646	(million cubic metres)

Data availability

Original values	:	200
Estimated values (Flag e)	:	166
Missing values (Flag m)	:	0

Comments : Generally an average year, but with an unusual flood peak at the end of December

River Jubba at Lugh Ganana 1965

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	301.4	47.3e	17.2e	4.9	74.6	24.4	26.0	98.1e	147.4	134.4	323.0	262.5
2	290.8	46.3e	16.5e	4.6	89.9	22.9	24.0	94.6e	140.3	133.4	322.3	239.8
3	279.0	45.5e	15.8e	4.8	96.6	25.3	33.1	92.6e	137.3	134.1	366.9	219.5
4	263.2	44.4e	15.2e	4.6	142.5	27.9	44.8	93.2e	144.0	145.5	374.2	210.0
5	241.9	43.5e	14.3e	5.8	161.9	34.3	53.1	94.6e	158.2	148.1	290.9	198.5
6	221.1	41.9e	13.1e	6.0	153.1	44.4	56.5	93.8e	147.5	171.7	258.9	186.7
7	204.3	39.9e	12.5e	5.7	149.5	45.2	53.9	89.7	137.0	222.0	300.5	172.3
8	183.7	38.4e	11.4e	5.9	112.6	40.1	50.9	97.3	125.0	310.1	321.8	161.3
9	166.6	37.6e	10.3e	6.0	106.6	35.5	50.6	113.1	124.7	396.1	375.6	153.6
10	150.0	36.6e	9.4	6.3	76.5	32.0	52.0	117.9e	138.8	524.9	428.1	141.0
11	146.9	36.0e	9.3	12.4	73.2	28.7	60.9	116.4e	145.8	551.9	487.6	133.5
12	134.9e	36.2e	8.9	14.6	70.6	25.1	68.1	111.4e	140.1	558.4	366.7	124.4
13	121.7e	37.2e	8.5	14.7	63.4	24.7	73.8	103.0e	130.6	582.1	399.8	117.7
14	110.7e	37.3e	8.4	13.6	62.2	25.5	73.0	92.3e	121.4	835.8	630.5	109.4
15	99.7e	36.2e	8.0	12.8	55.3	28.6	83.3	80.5	116.9	968.6	726.6	108.4
16	87.4e	35.1e	8.0	16.6	50.7	35.0	80.8	73.7	123.3	993.1	703.3	105.6
17	75.5e	33.7e	7.6	15.3	44.9	41.9	73.4	68.5	127.0	994.3	657.5	100.3
18	71.4e	32.4e	7.6	20.1	40.8	42.5	63.6	62.2	132.5	971.4	636.2	97.3
19	69.0e	32.0e	7.5	15.4	35.7	40.8	57.4e	62.9	127.2	994.5	558.3	96.9
20	67.4e	31.5e	7.2	15.8	33.5	39.0	51.8e	69.0	119.7	1033.7	546.6	94.4
21	65.3e	30.2e	7.1	15.8	30.3	37.8	47.9e	72.0	116.1	1051.9	479.7	91.8
22	62.7e	28.3e	6.8	14.3	27.2	34.6	45.5e	76.2	111.2	1069.0	476.4	91.3
23	60.6e	26.0e	6.7	13.6	25.4	32.7	44.8e	91.0	122.5	945.9	461.1	89.5
24	59.6e	24.9e	6.4	14.0	23.8	31.0	45.2e	110.9	170.0	754.4	443.3	95.8
25	58.4e	23.8e	6.3	21.7	24.0	28.7	47.1e	137.1	176.6	665.4	417.5	89.3
26	56.8e	22.4e	5.9	23.2	24.0	26.3	51.3e	190.8	171.4	593.5	407.8	83.7
27	55.2e	20.5e	5.5	15.0	24.6	24.7	60.6e	208.7	164.5	547.3	369.8	78.4
28	53.4e	18.9e	5.2	24.3	24.0	25.4	83.4e	201.6	157.4	527.7	346.6	71.4
29	51.9e		5.2	62.4	23.9	24.0	98.2e	180.1	150.5	487.8	318.0	68.5
30	50.6e		5.2	77.2	23.3	25.4	98.9e	168.3	143.5	442.8	293.1	66.0
31	48.5e		5.2		22.7		99.1e	157.6		357.1		61.9
Mean	126.1	34.4	9.1	16.3	63.5	31.8	59.8	110.3	138.9	588.6	436.3	126.5
Maximum	301.4	47.3	17.2	77.2	161.9	45.2	99.1	208.7	176.6	1069.0	726.6	262.5
Minimum	48.5	18.9	5.2	4.6	22.7	22.9	24.0	62.2	111.2	133.4	258.9	61.9
Total	338	83	24	42	170	82	160	295	360	1577	1131	339

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	145.9	(cubic metres per second)
Maximum	:	1069.0	(cubic metres per second)
Minimum	:	4.6	(cubic metres per second)
Total	:	4602	(million cubic metres)

Data availability

Original values	:	284
Estimated values (Flag e)	:	81
Missing values (Flag m)	:	0

Comments : High flows at start and end of year, but exceptionally low flows from March to October

River Jubba at Lugh Ganana 1966

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	59.1	24.7	24.2	48.6e	460.7	189.6	127.0	225.6	403.2	244.7	378.1	148.7
2	57.2	25.4	25.3	45.5e	484.8	170.6	123.2	222.0	421.7	219.3	369.4	136.5
3	56.7	25.5	26.5	47.2e	461.6	162.7	115.7	213.8	430.3	199.0	345.9	119.4
4	52.0	26.9	33.1	62.6e	431.6	160.9	106.2	198.7	401.0	183.1	336.2	131.6
5	49.6	27.7	34.3	76.2e	374.4	163.5	99.4	184.1	379.2	165.2	336.5	110.1
6	47.6	27.8	35.4	57.2e	327.3	184.5	98.3	184.6	384.6	150.4	342.0	102.9
7	45.7	27.8	42.5	45.4e	271.7	195.1	97.2	186.9	385.5	132.4	328.7	98.8
8	45.5	28.5	48.6	40.4e	230.8	194.2	93.6	183.0	370.1	116.1	320.2	95.1
9	44.5	30.3	59.4	48.2e	200.8	186.2	87.1	174.4	342.4	138.1	323.8	92.2
10	42.7	30.5	59.3	52.6	180.8	175.2	81.8	163.7	336.5	143.0	322.9	88.9
11	40.8	32.5	53.0	54.7	168.0	156.7	94.9	152.9	365.7	155.5	273.4	85.5
12	38.9	33.5	46.5	51.7	153.1	140.3	113.5	133.2	381.7	154.0	253.5	77.4
13	37.1	35.1	41.8	49.7	138.5	139.2	117.5	113.9	387.4	129.7	235.3	74.3
14	35.3	35.3	42.4	49.4	140.2	132.4	115.0	108.9	377.8	144.2	216.8	72.7
15	33.6	36.2	41.2e	45.3	137.2	134.0	122.0	114.1	373.5	124.3	200.9	70.8
16	32.0	38.6	41.6e	51.4	141.4	160.0	134.5	158.0	399.9	118.9	197.9	66.3
17	31.6	38.5	42.2e	58.1	146.4	173.3	142.0	165.1	423.8	114.8	180.6	60.7
18	28.9	32.0	44.5e	53.0	151.6	169.9	166.1	155.2	410.3	113.3	162.4	59.1
19	28.6	26.3	53.5e	45.6	207.6	169.6	213.5	151.9	380.4	135.0	149.1	56.5
20	28.5	32.4	72.1e	58.0	212.8	162.9	218.0	160.3	348.4	132.5	160.3	52.4
21	27.1	36.3	75.6e	190.3	196.4	160.6	211.0	209.5	318.8	301.7	212.2	50.2
22	26.9	39.4	78.1e	312.0	200.7	159.0	202.0	259.3	300.3	262.0	220.9	49.1
23	25.5	41.0	76.8e	310.3	192.9	158.0	186.2	274.0	288.3	256.2	220.4	48.5
24	24.3	38.6	80.4e	309.3	187.0	157.5	181.5	280.6	280.3	366.2	208.3	47.0
25	22.8	34.2	84.6e	331.1	189.9	160.4	175.1	287.5	291.3	400.7	205.3	44.6
26	23.9	29.2	89.6e	358.7	190.0	161.3	160.4	286.7	295.0	438.9	196.2	42.7
27	24.7	25.6	77.6e	392.7	186.8	155.5	157.1	337.9	303.3	412.0	183.7	41.7
28	25.3	23.5	70.1e	427.0	188.4	144.5	161.0	358.7	297.7	391.0	176.9	40.3
29	24.1		63.4e	435.3	190.2	139.1	174.3	358.5	287.9	354.4	163.8	38.5
30	24.0		59.1e	467.5	187.0	130.6	181.9	339.6	270.2	368.5	150.7	37.1
31	24.6		54.8e		194.9		214.9	376.8		386.4		36.2
Mean	35.8	31.6	54.1	152.5	229.9	161.6	144.2	216.8	354.6	224.2	245.7	73.4
Maximum	59.1	41.0	89.6	467.5	484.8	195.1	218.0	376.8	430.3	438.9	378.1	148.7
Minimum	22.8	23.5	24.2	40.4	137.2	130.6	81.8	108.9	270.2	113.3	149.1	36.2
Total	96	76	145	395	616	419	386	581	919	601	637	197

(Total flows in million cubic metres per month)

Annual statistics

Mean : 160.7 (cubic metres per second)
Maximum : 484.8 (cubic metres per second)
Minimum : 22.8 (cubic metres per second)
Total : 5067 (million cubic metres)

Data availability

Original values : 339
Estimated values (Flag e) : 26
Missing values (Flag m) : 0

Comments :

River Jubba at Lugh Ganana 1967

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	35.2	6.1e	5.7e	19.3e	115.0e	140.5e	166.8	355.7	285.5	333.7	m	m
2	33.7	6.0e	5.7e	29.0e	137.9e	139.4e	171.1	337.6	267.8	326.1	m	m
3	33.5	6.0e	5.7e	28.7e	161.4e	138.0e	181.9	322.2	262.4	314.1	m	m
4	32.7	6.0e	5.7e	36.1e	205.2e	134.6e	212.5	363.6	268.6	293.7	m	m
5	31.9	6.0e	5.7e	25.0e	282.2e	136.6e	233.2	420.4	274.5	299.0	m	m
6	31.0	6.0e	5.7e	19.8e	247.8e	140.9	238.2	513.4	284.3	397.0	m	m
7	29.7	6.0e	5.7e	18.3e	304.2e	142.7	227.0	555.2	315.3	670.1	m	m
8	26.5	6.0e	5.7e	18.0e	369.3e	131.1	212.4	553.7	346.4	799.2	m	m
9	25.4	6.0e	5.6e	20.8e	267.0e	119.0	200.2	537.7	354.3	894.2	m	m
10	24.0	6.0e	5.6e	36.9e	225.6e	113.3	186.2	522.5	346.9	942.2	m	m
11	22.6	5.9e	5.6e	58.9e	235.1e	110.6	176.7	489.9	337.6	971.2	m	m
12	21.8	5.9e	5.6e	60.2e	278.9e	102.6	170.1	489.1	381.6	997.4	m	m
13	21.1	5.9e	5.6e	74.9e	321.5e	98.0	165.2	489.5	475.9	1035.8	m	m
14	19.8	5.9e	5.6e	88.2e	334.6e	95.7	162.8	466.8	497.8	1050.7	m	m
15	18.2	5.9e	5.6e	68.7e	319.3e	94.2	167.7	433.0	530.4	m	m	m
16	16.6	5.9e	5.6e	63.3e	291.4e	91.1	172.8	396.9	512.8	m	m	m
17	16.0	5.9e	5.6e	62.2e	284.2e	87.8	173.5	375.4	475.8	m	m	m
18	15.6	5.9e	5.5e	54.6e	300.1e	88.1	169.7	352.5	413.3	m	m	m
19	14.5	5.8e	5.5e	63.3e	296.1e	91.4	166.2	327.1	366.7	m	m	m
20	14.1	5.8e	5.5e	92.9e	263.7e	94.2	168.9	298.8	341.9	m	m	m
21	13.6	5.8e	5.5e	124.9e	249.3e	88.7	174.5	279.4	325.7	m	m	m
22	13.1	5.8e	5.5e	146.2e	240.8e	87.1	166.6	268.3	306.3	m	m	m
23	12.7	5.8e	5.5e	192.8e	243.3e	92.7	166.7	266.5	304.3	m	m	m
24	12.0	5.8e	5.5e	159.4e	240.3e	101.1	179.5	274.6	305.6	m	m	m
25	11.2	5.8e	5.5e	143.2e	221.6e	110.4	223.5	304.9	304.2	m	m	m
26	10.2	5.8e	5.5e	140.9e	203.8e	104.9	269.2	325.9	302.5	m	m	m
27	9.4	5.8e	5.4e	143.0e	193.3e	105.1	312.4	340.5	306.6	m	m	m
28	8.8	5.7e	5.4e	157.2e	188.8e	137.2	358.8	355.0	314.2	m	m	m
29	7.9		5.4e	133.6e	173.3e	166.5	353.3	344.4	321.9	m	m	m
30	7.0		5.4e	98.7e	157.6e	169.2	363.4	329.1	330.6	m	m	m
31	6.2		7.1e		147.3e		355.2	308.0		m		m
Mean	19.2	5.9	5.6	79.3	241.9	115.1	214.4	387.0	348.7	-	-	-
Maximum	35.2	6.1	7.1	192.8	369.3	169.2	363.4	555.2	530.4	-	-	-
Minimum	6.2	5.7	5.4	18.0	115.0	87.1	162.8	266.5	262.4	-	-	-
Total	52	14	15	206	648	298	574	1037	904	-	-	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	162
Estimated values (Flag e)	:	125
Missing values (Flag m)	:	78

Comments : No data available for any Jubba station from October

River Jubba at Lugh Ganana 1968

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	m	m	m	m	m	m	m	m	m
2	m	m	m	m	m	m	m	m	m	m	m	m
3	m	m	m	m	m	m	m	m	m	m	m	m
4	m	m	m	m	m	m	m	m	m	m	m	m
5	m	m	m	m	m	m	m	m	m	m	m	m
6	m	m	m	m	m	m	m	m	m	m	m	m
7	m	m	m	m	m	m	m	m	m	m	m	m
8	m	m	m	m	m	m	m	m	m	m	m	m
9	m	m	m	m	m	m	m	m	m	m	m	m
10	m	m	m	m	m	m	m	m	m	m	m	m
11	m	m	m	m	m	m	m	m	m	m	m	m
12	m	m	m	m	m	m	m	m	m	m	m	m
13	m	m	m	m	m	m	m	m	m	m	m	m
14	m	m	m	m	m	m	m	m	m	m	m	m
15	m	m	m	m	m	m	m	m	m	m	m	m
16	m	m	m	m	m	m	m	m	m	m	m	m
17	m	m	m	m	m	m	m	m	m	m	m	m
18	m	m	m	m	m	m	m	m	m	m	m	m
19	m	m	m	m	m	m	m	m	m	m	m	m
20	m	m	m	m	m	m	m	m	m	m	m	m
21	m	m	m	m	m	m	m	m	m	m	m	m
22	m	m	m	m	m	m	m	m	m	m	m	m
23	m	m	m	m	m	m	m	m	m	m	m	m
24	m	m	m	m	m	m	m	m	m	m	m	m
25	m	m	m	m	m	m	m	m	m	m	m	m
26	m	m	m	m	m	m	m	m	m	m	m	m
27	m	m	m	m	m	m	m	m	m	m	m	m
28	m	m	m	m	m	m	m	m	m	m	m	m
29	m	m	m	m	m	m	m	m	m	m	m	m
30	m		m	m	m	m	m	m	m	m	m	m
31	m		m		m		m	m		m		m
Mean	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	-	-	-	-	-	-	-	-	-	-	-	-
Minimum	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	0
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	366

Comments : No data available for any Jubba station for this year

River Jubba at Lugh Ganana 1969

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	m	m	m	m	m	m	m	256.8	86.3
2	m	m	m	m	m	m	m	m	m	m	247.9	85.1
3	m	m	m	m	m	m	m	m	m	180.6e	235.9	93.2
4	m	m	m	m	m	m	m	m	m	172.1e	226.9	90.8
5	m	m	m	m	m	m	m	m	m	176.5e	267.6	84.5
6	m	m	m	m	m	m	m	m	m	229.0e	264.6	81.6
7	m	m	m	m	m	m	m	m	m	289.6e	262.3	77.3
8	m	m	m	m	m	m	m	m	m	213.9	255.9	72.8
9	m	m	m	m	m	m	m	m	m	174.9e	260.1	69.7
10	m	m	m	m	m	m	m	m	m	171.6e	261.3	67.4
11	m	m	m	m	m	m	m	m	m	175.2	250.0	66.1
12	m	m	m	m	m	m	m	m	m	207.0e	237.1	62.9
13	m	m	m	m	m	m	m	m	m	229.0e	219.9	59.4
14	m	m	m	m	m	m	m	m	m	242.2e	203.0	57.5
15	m	m	m	m	m	m	m	m	m	307.7e	192.6	55.4
16	m	m	m	m	m	m	m	m	m	332.9e	187.4	52.8
17	m	m	m	m	m	m	m	m	m	329.1e	181.8	50.3
18	m	m	m	m	m	m	m	m	m	320.9	173.2	48.1
19	m	m	m	m	m	m	m	m	m	297.5	156.1	45.7
20	m	m	m	m	m	m	m	m	m	288.0	136.1	44.1
21	m	m	m	m	m	m	m	m	m	296.9	128.2	42.2
22	m	m	m	m	m	m	m	m	m	288.3	119.0	40.3
23	m	m	m	m	m	m	m	m	m	263.6	98.8	38.5
24	m	m	m	m	m	m	m	m	m	228.9	91.8	36.7
25	m	m	m	m	m	m	m	m	m	216.2	87.6	34.9
26	m	m	m	m	m	m	m	m	m	220.3	84.2	33.1
27	m	m	m	m	m	m	m	m	m	293.8	80.4	31.1
28	m	m	m	m	m	m	m	m	m	323.8	76.8	29.5
29	m		m	m	m	m	m	m	m	336.9	78.7	28.3
30	m		m	m	m	m	m	m	m	307.7	82.1	27.4
31	m		m		m		m	m		275.7		26.3
Mean	-	-	-	-	-	-	-	-	-	254.8	180.1	55.4
Maximum	-	-	-	-	-	-	-	-	-	-	267.6	93.2
Minimum	-	-	-	-	-	-	-	-	-	-	76.8	26.3
Total	-	-	-	-	-	-	-	-	-	-	467	149

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	77
Estimated values (Flag e)	:	13
Missing values (Flag m)	:	275

Comments : No data available for any Jubba station until October

River Jubba at Lugh Ganana 1970

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	25.4	26.1	0.0	153.0	411.6	197.9	194.1	168.6	398.1	451.5	1001.5	138.4
2	24.4	22.4	0.0	157.9	411.3	194.6	193.7	148.0	397.9	495.9	1034.0	125.2
3	23.2	19.9	0.0	133.9	382.1	213.3	186.5	128.9	393.9	538.3	1064.1	119.4
4	21.9	19.0	0.0	118.2	349.7	226.8	171.8	120.3	389.2	518.2	1092.2	109.7
5	21.1	16.4	0.0	104.0e	302.4	219.5	163.5	116.1	356.3	494.4	1114.2	100.5
6	20.5	14.5	0.0	89.8e	275.7	211.3	178.7	115.5	332.6	482.0	1119.1	99.9
7	19.8	12.3	0.0	85.4e	277.4	203.0	195.0	167.5	317.4	479.8	953.1	98.5
8	18.8	9.1	0.0	107.5e	312.3	209.1	199.1	222.4	316.8	436.1	795.5	95.1
9	17.5	8.1	0.0	117.4	355.4	213.7	201.4	248.5	326.0	394.2	701.5	92.2
10	14.9	4.7	0.0	112.3	370.9	217.4	194.4	238.8	335.7	358.8	641.3	88.3
11	13.6	3.0	0.4	112.4	445.7	213.9	197.2	228.7	329.5	384.1	592.9	84.4
12	12.1	1.9	0.6	107.1	485.4	205.8	227.3	216.0	314.0	508.9	529.7	81.6
13	10.7	1.1	0.5	132.3	477.9	204.5	226.4	198.1	321.3	564.6	472.3	79.0
14	10.0	0.5	1.1	155.9	433.3	210.7	211.6	188.5	347.1	565.3	420.4	76.0
15	9.7	0.1	1.5	161.9	392.1	205.7	194.4	193.9	364.6	561.7	367.3	74.5
16	9.0	0.0	1.8	153.9	355.8	207.3	172.3	202.1	360.9	558.9	333.2	71.6
17	8.7	0.0	2.2	153.8	328.0	202.7	155.3	208.5	392.0	570.7	308.4	68.4
18	7.7	0.0	3.2	157.6	325.5	190.9	144.4	234.4	363.1	562.5	283.0	67.8
19	7.4	0.0	7.1	158.5	384.9	174.1	128.7	282.1	407.4	610.1	262.9	63.2
20	7.0	0.0	6.2	178.8	395.9	161.2	117.2	304.8	437.8	570.1	244.1	61.0
21	7.2	0.0	18.1	335.2	358.9	147.5	131.4	279.1	448.6	559.3	231.6	59.2
22	6.9	0.0	220.4	401.2	335.1	142.2	160.1	265.9	385.2	531.2	216.7	57.6
23	12.1	0.0	273.9	499.5	321.5	160.1	178.3	307.6	401.6	594.7	204.4	55.4
24	18.3	0.0	273.5	546.4	299.6	175.3	202.1	323.3	395.8	699.4	192.9	53.4
25	18.6	0.0	236.2	467.7	284.1	194.0	213.7	322.8	371.3	863.4	184.8	52.6
26	20.6	0.0	209.8	450.1	273.5	227.2	209.9	353.7	445.0	951.8	178.2	51.6
27	23.8	0.0	176.9	432.4	258.9	242.1	202.7	359.6	422.0	1018.7	171.8	49.2
28	25.1	0.0	135.6	492.8	242.9	226.1	186.7	369.1	426.3	976.5	164.4	47.2
29	26.5		109.3	523.8	227.4	209.6	197.3	432.3	421.5	955.6	155.7	46.9
30	27.7		128.1	426.0	220.0	195.0	198.8	438.6	428.9	959.5	146.2	45.1
31	26.8		115.3		210.2		185.2	418.8		980.4		43.2
Mean	16.7	5.7	62.0	240.9	338.9	200.1	184.5	251.7	378.3	619.2	505.9	76.0
Maximum	27.7	26.1	273.9	546.4	485.4	242.1	227.3	438.6	448.6	1018.7	1119.1	138.4
Minimum	6.9	0.0	0.0	85.4	210.2	142.2	117.2	115.5	314.0	358.8	146.2	43.2
Total	45	14	166	624	908	519	494	674	980	1659	1311	204

(Total flows in million cubic metres per month)

Annual statistics

Mean : 240.9 (cubic metres per second)
Maximum : 1119.1 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 7597 (million cubic metres)

Data availability

Original values : 361
Estimated values (Flag e) : 4
Missing values (Flag m) : 0

Comments : River dry in February and March before an early Gu flood

River Jubba at Lugh Ganana 1971

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	41.2	19.8	8.2e	3.1e	69.3	206.0	177.0	211.2	235.9	277.8	849.5	258.4
2	39.8	19.1e	7.9e	4.1e	66.8	194.0	196.8	195.6	254.2	301.1	757.8	246.3
3	38.5	18.6e	7.7e	5.3e	63.6	176.0	213.6	186.2	277.2	324.0	686.5	234.6
4	36.7	18.0e	7.5e	6.6e	51.0	159.3	230.5	190.5	302.1	337.8	637.3	225.1
5	36.1	17.4e	7.2e	7.5e	55.4	164.7	223.9	194.1	314.2	364.2	650.9	213.9
6	35.3	16.9e	7.0e	9.1e	69.4	157.5	220.7	194.1	333.9	409.5	645.5	213.9
7	34.1	16.4e	6.8e	11.1e	80.3	153.3	234.5	194.7	303.1	446.5	529.0	204.8
8	33.4	15.9e	6.6e	14.1e	225.4	157.6	230.8	199.3	280.9	500.8	474.7	194.1
9	31.6	15.4e	6.4e	20.0e	340.1	165.2	219.1	194.1	278.7	521.6	433.0	193.1
10	30.9	14.9e	6.2e	34.4	241.9	165.7	189.0	193.7	281.2	566.1	406.8	176.9
11	30.2	14.4e	6.0e	34.4	239.5	165.7	190.7	192.3	309.3	678.4	402.2	175.2
12	29.4	14.0e	5.8e	35.6	298.4	178.0	210.4	228.1	280.9	801.7	362.8	174.1
13	29.4	13.6e	5.6e	57.3	307.9	192.2	243.7	255.3	268.4	827.0	335.4	157.2
14	29.4	13.1e	5.5e	61.6	286.5	185.6	276.6	275.3	256.2	776.2	326.3	153.4
15	29.4	12.7e	5.3e	55.2	267.3	190.1	285.6	257.2	255.1	718.2	327.6	126.8
16	29.3	12.3e	5.1e	46.5	251.3	203.5	301.9	236.7	237.8	638.5	349.8	128.6
17	28.5	12.0e	5.0e	45.0	228.5	198.9	315.4	225.1	255.3	584.2	367.7	122.3
18	26.7	11.6e	4.8e	83.7	231.4	196.6	320.9	213.9	276.6	554.0	408.2	127.1
19	25.4	11.2e	4.7e	90.2	260.9	176.6	321.7	213.9	285.6	552.7	457.0	127.7
20	24.0	10.9e	4.5e	84.1	234.1	162.8	323.8	215.0	301.2	579.8	488.8	113.7
21	22.7	10.5e	4.4e	87.9	216.8	147.4e	320.6	232.6	291.4	588.1	520.6	99.8
22	22.5	10.2e	4.2e	93.8	204.4	136.3	302.2	235.8	268.4	662.1	490.0	98.4
23	21.6	9.9e	4.1e	115.9	218.0	134.1	279.7	255.3	246.3	674.4	435.2	98.4
24	20.8	9.6e	4.0e	114.7	267.6	142.7	257.8	287.3	234.6	582.6	396.1	97.7
25	20.4	9.3e	3.9e	108.0	296.0	149.0	246.4	302.1	234.6	586.9	367.0	86.1
26	19.8	9.0e	3.7e	98.9	297.6	155.8	244.7	300.8	234.6	758.1	339.9	84.8
27	19.2	8.7e	3.6e	98.5	264.1	159.6	234.1	279.7	231.2	863.8	326.3	84.8
28	19.1	8.5e	3.5e	119.0	250.8	163.1	212.3	258.4	233.8	849.9	325.0	84.8
29	18.8e		3.4e	84.0	231.7	165.1	215.0	256.2	235.8	831.1	303.1	84.8
30	19.0e		3.3e	73.1	227.3	167.3	231.5	256.2	255.3	865.9	279.7	84.8
31	19.8		3.2e		221.6		215.9	254.8		900.8		84.8
Mean	27.8	13.4	5.3	56.8	211.8	169.0	248.0	231.8	268.5	610.4	456.0	147.0
Maximum	41.2	19.8	8.2	119.0	340.1	206.0	323.8	302.1	333.9	900.8	849.5	258.4
Minimum	18.8	8.5	3.2	3.1	51.0	134.1	177.0	186.2	231.2	277.8	279.7	84.8
Total	75	32	14	147	567	438	664	621	696	1635	1182	394

(Total flows in million cubic metres per month)

Annual statistics

Mean : 205.0 (cubic metres per second)
Maximum : 900.8 (cubic metres per second)
Minimum : 3.1 (cubic metres per second)
Total : 6465 (million cubic metres)

Comments :

Data availability

Original values : 295
Estimated values (Flag e) : 70
Missing values (Flag m) : 0

River Jubba at Lugh Ganana 1972

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	84.8	37.4	41.2	39.4	261.9	372.1	152.4	232.3	300.0	257.8	414.3	293.8e
2	84.8	36.1	39.8	48.6	262.9	372.1	144.2	234.4	269.1	257.6	285.3	273.0e
3	84.8	36.1	40.3	48.5	261.1	359.1	143.8	230.8	264.1	244.1	278.2	254.7e
4	84.8	36.1	48.6	32.7	380.4	339.2	151.6	226.2	286.8	237.3	378.8	238.5e
5	84.8	36.1	49.5	35.0	384.9	333.7	160.3	229.4	294.2	269.9	462.2	223.2e
6	84.8	36.1	48.7	39.8	396.2	336.5	169.3	230.6	286.9	265.5	441.7	207.9
7	84.1	36.1	36.6	39.8	564.0	372.2	179.0	234.6	289.1	393.3	392.3	194.7e
8	73.3	36.1	35.3	39.5	434.3	332.4	197.3	240.4	293.9	497.7	371.4	184.2e
9	71.4	36.1	35.3	35.7	384.7	320.1	258.6	241.0	295.0	484.8	432.6	174.3e
10	61.4	36.1	35.5	35.3	379.5	287.9	395.9	241.0	293.1	412.8	436.5	166.0
11	65.7	36.1	39.3	35.3	372.3	279.8	426.7	241.0	290.5	401.0	541.2	158.4e
12	72.1	36.1	39.8	35.3	315.5	259.2	401.4	262.7	288.0	378.9	440.5	149.5e
13	72.1	36.1	39.8	35.2	287.7	241.1	349.2	307.0	288.0	369.2	461.0	142.6e
14	72.1	36.1	39.8	36.5	241.9	221.2	315.4	309.3	281.6	326.1	404.6	136.5e
15	71.1	36.3	39.8	52.7	218.2	207.0	302.7	309.3	274.1	331.6	372.2	130.4e
16	61.0	39.9	39.5	53.0	208.1	196.8	281.8	309.3	273.0	338.2	400.5	124.3e
17	55.9	50.0	36.4	64.6	202.8	186.8	262.8	308.0	268.0	332.6	457.7	118.7e
18	54.8	74.7	47.1	70.0	180.6	184.4	243.1	287.2	259.5	317.0	490.1	113.8e
19	54.8	84.0	32.2	192.4	185.7	183.6	241.0	275.2	248.2	296.9	453.5	109.3e
20	54.8	84.8	25.1	202.8	259.4	181.7	239.9	269.6	241.2	279.7	415.7	104.6e
21	54.5	84.8	26.8	219.5	358.8	156.4	222.0	257.2	241.6	261.5	381.0	99.9
22	50.0	84.8	26.1	222.7	368.6	137.5	219.5	292.9	246.0	263.9	373.4	96.8e
23	49.5	84.4	23.5	233.1	233.7	129.5	210.8	289.0	223.1	292.8	353.4	93.9e
24	49.5	79.3	23.2	220.8	186.6	151.4	210.0	346.0	213.7	294.9	340.5	91.1e
25	49.5	84.2	23.3	220.6	267.7	162.4	212.1	361.3	210.5	288.2	366.7	88.6e
26	49.5	83.4	25.3	228.9	395.0	161.5	224.0	365.9	213.5	275.7	418.4	86.6e
27	49.5	62.3	42.3	226.1	480.0	153.7	229.5	346.4	213.9	265.5	412.6	84.9e
28	49.5	55.3	42.4	299.2	465.1	154.7	229.3	324.9	216.7	252.9	382.9	83.6e
29	49.5	54.0	41.6	300.0	504.6	162.4	222.1	313.8	221.7	397.5	352.4	83.3e
30	49.5		41.5	346.2	459.3	161.9	229.0	330.3	249.1	611.9	317.9	83.6e
31	48.8		36.4		379.8		235.1	336.5		550.7		83.5
Mean	64.0	53.4	36.8	123.0	331.7	236.6	240.6	283.3	261.1	337.0	401.0	144.3
Maximum	84.8	84.8	49.5	346.2	564.0	372.2	426.7	365.9	300.0	611.9	541.2	293.8
Minimum	48.8	36.1	23.2	32.7	180.6	129.5	143.8	226.2	210.5	237.3	278.2	83.3
Total	171	134	99	319	888	613	645	759	677	903	1039	387

(Total flows in million cubic metres per month)

Annual statistics

Mean : 209.8 (cubic metres per second)
Maximum : 611.9 (cubic metres per second)
Minimum : 23.2 (cubic metres per second)
Total : 6633 (million cubic metres)

Data availability

Original values : 339
Estimated values (Flag e) : 27
Missing values (Flag m) : 0

Comments :

River Jubba at Lugh Ganana 1973

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	78.2	32.7	9.8	5.2	92.8	167.8	86.2	247.5	387.6e	348.9	407.5	126.1e
2	75.7	32.6	10.4	5.2	195.1	156.1	92.2	230.8	356.4e	339.2	381.9	120.1e
3	70.0	31.9	12.7	4.6	131.9	117.1	93.5	205.4	330.5e	330.5	354.8	116.0e
4	65.2	30.7	12.5	4.5	87.3	112.7	92.7	191.5	311.5e	333.5	336.9	112.6e
5	61.5	29.4	11.3	4.4	71.7	99.7	90.2	151.3	301.6e	326.7	322.0	110.4
6	59.3	29.4	11.0	4.5	45.7	87.6	87.0	135.8	307.8e	312.3	305.5	93.2
7	57.1	29.3	11.0	4.5	34.7	79.4	84.9	153.0	330.4e	313.7	284.8	88.8
8	54.9	28.6	13.3	4.5	31.2	81.6	85.5	217.8	348.6e	329.8	267.3	85.2
9	53.5	28.5	13.6	4.5	31.2	81.2	86.5	221.6	355.1e	340.7	254.4	79.7
10	55.5	27.1	13.6	4.5	34.5	78.9	82.7	231.0	348.3e	367.0	244.2	77.7
11	52.9	25.3	13.1	4.2	29.8	84.9	85.4	240.2	333.3e	367.1	240.8	75.8
12	51.8	20.9	12.9	4.2	26.5	86.1	81.6	240.0	320.3e	372.3	235.0	73.3
13	53.4	21.0	11.1	4.2	25.5	83.1	87.1	238.8	310.9e	395.4	227.0	69.4
14	51.3	20.5	10.9	4.2	25.4	77.6	94.0	236.8	305.7e	431.0	226.2	66.7
15	50.5	19.8	10.4	4.2	24.4	71.1	88.0	233.9	300.5e	505.5	225.8	62.9
16	49.6	19.2	10.4	4.7	23.8	64.8	72.9	231.2	288.1e	547.9	220.2	61.4
17	48.6	19.1	10.4	5.0	26.7	65.6	70.3	245.7	270.5e	622.4	214.7	58.7
18	47.6	18.5	10.2	4.6	44.9	71.8	71.3	331.8	256.4e	622.3	215.1	54.0
19	46.5	18.4	9.9	4.5	44.1	75.6	72.7	437.2	248.5e	582.0	208.6	52.7
20	44.2	18.0	9.9	4.5	49.0	79.7	76.2	493.7	246.0e	560.0	203.1	50.7
21	42.6	16.6	9.9	4.5	67.4	92.1	84.6	474.4	249.3e	510.0	191.4	49.6
22	41.7	13.9	8.6	4.5	93.1	105.7	112.8	415.0	259.3e	480.8	180.1	48.1
23	40.7	13.5	7.1	4.8	105.6	112.8	160.0	374.7	271.0e	539.4	168.9	44.4
24	39.8	12.6	6.0	7.6	111.3	112.7	182.8	348.0	276.8e	544.2	166.0	42.6
25	38.1	12.4	6.0	37.9	106.2	106.2	235.1	344.2	279.5e	455.3	167.7	42.4
26	37.1	11.5	6.0	20.8	105.5	100.9	238.3	360.7	287.1e	431.1	167.8	40.0
27	36.2	10.5	5.6	22.2	129.3	98.4	223.9	405.3	304.1e	382.4	159.2	38.5
28	34.9	10.4	5.6	36.8	158.2	98.2	225.8	424.6	323.9e	370.0	148.9	37.5
29	33.6		5.6	44.8	163.9	92.7	252.4	416.6	335.5e	371.5	142.8	36.2
30	33.5		5.3	48.0	169.7	89.5	288.8	429.2	342.6e	403.5	134.0	35.2
31	33.1		5.1		169.7		268.1	432.3		409.4		33.7
Mean	49.6	21.5	9.6	10.8	79.2	94.4	127.5	301.3	306.2	427.3	233.4	67.2
Maximum	78.2	32.7	13.6	48.0	195.1	167.8	288.8	493.7	387.6	622.4	407.5	126.1
Minimum	33.1	10.4	5.1	4.2	23.8	64.8	70.3	135.8	246.0	312.3	134.0	33.7
Total	133	52	26	28	212	245	342	807	794	1144	605	180

(Total flows in million cubic metres per month)

Annual statistics

Mean : 144.8 (cubic metres per second)
Maximum : 622.4 (cubic metres per second)
Minimum : 4.2 (cubic metres per second)
Total : 4567 (million cubic metres)

Comments :

Data availability

Original values : 331
Estimated values (Flag e) : 34
Missing values (Flag m) : 0

River Jubba at Lugh Ganana 1974

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	33.1	20.4	8.1	178.9	43.6	262.2	83.6	170.2	215.4	309.0	169.4	75.8
2	31.5	20.4	8.0	265.7	42.1	306.2	91.9	183.4	226.4	305.2	196.1	70.8
3	31.0	20.4	8.0	281.1	37.3	319.2	108.3	192.1	271.7	307.7	232.6	69.6
4	30.6	20.4	8.0	222.0	33.7	314.3	130.2	197.5	326.4	304.5	255.0	64.7
5	30.2	20.4	8.0	189.3	31.1	313.0	133.2	200.5	369.2	293.4	262.5	62.6
6	29.8	19.8	8.0	174.5	30.6	334.2	128.7	199.9	382.1	279.4	260.8	59.5
7	29.4	19.8	7.7	168.3	36.2	334.8	119.6	194.4	388.2	256.1	259.6	58.6
8	30.1	19.2	7.6	172.2	53.6	320.6	102.9	185.0	421.3	247.2	263.2	56.5
9	31.0	11.7	7.9	166.6	47.4	301.7	108.3	179.8	519.7	237.6	270.4	52.8
10	32.2	10.9	8.4	157.2	58.0	276.0	117.7	198.4	556.1	235.4	259.8	51.2
11	33.4	10.9	8.5	156.2	58.3	249.8	132.5	196.5	510.5	229.5	255.2	49.1
12	33.5	10.9	8.5	141.3	51.3	235.3	148.1e	199.8	454.3	239.7	234.7	46.6
13	33.4	10.8	8.5	137.7	118.1	205.5	170.0e	212.5	409.1	237.1	214.1	45.5
14	29.4	10.0	8.5	130.5	210.9	188.7	201.5e	218.6	378.1	224.9	193.2	42.9
15	26.9	9.9	8.5	120.0	186.8	173.9	258.4	300.8	352.0	219.9	176.1	42.1
16	25.5	9.9	8.5	115.5	134.1	163.6	359.6	337.9	340.4	202.3	159.5	40.9
17	24.1	9.9	8.1	110.2	203.9	149.7	442.9	306.5	339.9	186.5	151.2	42.0
18	23.9	9.9	8.0	101.5	262.5	131.1	390.2	276.2	324.7	175.7	138.6	40.7
19	23.4	10.1	8.0	93.4	210.9	126.1e	335.0	250.3	306.5	168.2	126.6	37.7
20	25.2	9.9	7.9	92.8	171.0	121.4e	313.0	233.1	288.6	162.4	121.0	37.0
21	25.5	9.5	8.0	94.2	168.8	116.6e	296.1	217.5	285.0	156.4	111.1	35.8
22	25.4	9.6	8.0	90.1	171.9	111.5e	292.1	183.4	287.4	150.3	104.7	34.8
23	24.1	9.4	8.0	90.6	168.1	101.4	270.0	170.9	272.7	141.8	98.7	33.2
24	22.9	9.4	8.0	88.8	161.4	105.2	246.2	176.1	269.8	139.5	92.0	32.3
25	21.5	9.0	8.0	88.1	147.7	96.4	208.5	167.5	265.2	144.9	88.8	31.4
26	20.5	9.1	8.2	73.0	142.1	93.6	182.3	169.7	259.6	154.3	88.1	30.9
27	20.4	9.0	9.5	65.0	142.1	91.6	175.4	185.5	252.7	166.1	85.6	29.8
28	20.1	8.5	8.6	61.5	133.1	89.5	170.2	189.2	260.0	168.6	83.5	28.6
29	19.8		10.7	52.6	122.6	84.6	169.9	188.3	293.8	167.0	81.7	28.5
30	19.8		16.5	44.2	111.0	82.2	172.8	190.8	309.6	166.9	80.1	27.4
31	20.4		147.9		153.4		170.0	205.8		167.7		25.6
Mean	26.7	12.8	13.0	130.8	117.5	193.3	200.9	209.0	337.9	211.1	170.5	44.7
Maximum	33.5	20.4	147.9	281.1	262.5	334.8	442.9	337.9	556.1	309.0	270.4	75.8
Minimum	19.8	8.5	7.6	44.2	30.6	82.2	83.6	167.5	215.4	139.5	80.1	25.6
Total	72	31	35	339	315	501	538	560	876	565	442	120

(Total flows in million cubic metres per month)

Annual statistics

Mean : 139.3 (cubic metres per second)
Maximum : 556.1 (cubic metres per second)
Minimum : 7.6 (cubic metres per second)
Total : 4393 (million cubic metres)

Data availability

Original values : 358
Estimated values (Flag e) : 7
Missing values (Flag m) : 0

Comments : The earliest recorded Der flood peak - 10th September

River Jubba at Lugh Ganana 1975

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	26.3	9.9	4.9	1.1	161.9	262.0	186.8	310.5	362.2	262.9	366.4	116.8
2	25.1	9.9	4.9	0.9	140.1	227.1	201.4	309.7	343.1	260.8	335.3	111.7
3	23.7	9.4	4.9	1.0	124.5	212.3	202.5	317.5	331.4	260.0	303.6	106.7
4	22.3	9.0	4.9	0.8	122.3	214.4	207.3	301.4	319.6	252.9	279.7	101.5
5	21.8	9.0	5.5	0.8	209.9	226.5	217.7	347.8	317.0	246.4	259.4	95.4
6	21.4	9.0	5.3	0.8	98.8	208.0	216.1	357.0	331.0	244.6	246.9	92.1
7	20.5	8.9	5.2	0.8	82.8	188.0	209.0	388.8	356.0	236.4	263.0	87.6
8	19.2	8.7	5.2	0.8	85.2	160.6	200.6	407.3	385.6	244.4	251.9	82.5
9	19.1	8.1	4.9	1.0	106.6	163.6	195.4	433.3	406.2	323.8	265.9	80.3
10	18.2	8.0	4.1	1.2	85.3	141.8	195.5	465.3	414.8	425.7	261.4	77.2
11	17.2	8.0	3.8	2.1	64.3	121.1	190.2	457.9	412.1	534.7	232.6	75.3
12	16.3	8.0	3.3	23.2	66.8	116.5	177.4	438.2	404.1	543.8	221.3	72.2
13	15.9	8.1	3.3	32.0	72.0	113.1	171.6	420.8	385.1	471.3	228.0	68.6
14	15.9	8.2	3.0	32.4	68.0	112.4	169.5	396.2	368.7	419.0	237.9	66.8
15	15.4	7.6	3.0	65.1	58.0	110.2	162.9	375.3	348.0	401.4	239.1	64.4
16	15.1	6.8	2.6	99.1	51.3	108.2	154.9	349.2	343.5	397.3	236.7	61.6
17	14.7	6.4	2.5	88.6	54.6	99.0	156.4	364.8	340.0	420.9	231.0	59.2
18	14.5	6.3	2.4	92.3	61.5	93.4	163.5	394.0	358.1	408.4	222.0	57.1
19	13.9	6.0	2.3	93.5	93.1	91.6	156.7	391.9	364.7	411.6	216.3	55.4
20	13.0	6.0	2.2	106.8	141.5	89.7	152.2	395.6	311.3	417.4	215.6	53.8
21	12.5	6.0	2.2	112.7	134.4	91.2	158.4	425.8	290.0	403.4	209.1	52.8
22	12.0	6.0	2.1	97.5	144.1	91.3	187.9	447.1	273.2	404.2	197.7	52.2
23	11.4	5.6	1.9	86.2	149.8	89.3	233.0	421.8	269.6	409.9	185.2	51.6
24	11.0	5.3	1.6	88.5	139.4	100.3	236.8	382.5	259.0	391.3	173.8	51.6
25	10.9	5.2	1.5	105.4	125.4	127.9	229.1	357.6	252.1	363.8	163.6	51.0
26	10.4	5.2	1.4	162.8	122.0	146.3	232.3	354.1	254.5	356.6	152.5	48.2
27	10.4	4.9	1.3	132.8	144.4	159.0	236.9	358.9	263.9	354.2	144.8	46.6
28	10.4	4.9	1.3	114.4	115.6	181.6	231.3	358.8	262.8	364.3	134.4	44.7
29	10.0		1.3	147.5	104.7	187.3	236.4	351.8	262.6	451.1	127.3	42.6
30	9.9		1.3	183.5	237.2	184.7	249.0	344.3	263.7	449.2	121.1	40.8
31	9.9		1.2		324.6		292.4	349.0		403.1		39.0
Mean	15.7	7.3	3.1	62.5	119.0	147.3	200.4	379.8	328.5	372.1	224.1	68.0
Maximum	26.3	9.9	5.5	183.5	324.6	262.0	292.4	465.3	414.8	543.8	366.4	116.8
Minimum	9.9	4.9	1.2	0.8	51.3	89.3	152.2	301.4	252.1	236.4	121.1	39.0
Total	42	18	8	162	319	382	537	1017	851	997	581	182

(Total flows in million cubic metres per month)

Annual statistics

Mean : 161.6 (cubic metres per second)
Maximum : 543.8 (cubic metres per second)
Minimum : 0.8 (cubic metres per second)
Total : 5096 (million cubic metres)

Comments :

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

River Jubba at Lugh Ganana 1976

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	37.0	15.9	8.9	4.5	72.7	523.0	190.4	192.9	187.9	198.1	339.1	159.2
2	36.2	14.8	8.5	4.5	106.7	500.6	191.1	192.2	188.3	224.5	376.9	155.2
3	35.3	14.2	8.5	4.2	104.3	456.7	223.4	194.1	188.3	227.9	519.2	151.4
4	34.4	14.2	8.1	4.1	96.6	411.3	230.0	227.1	190.5	221.3	552.3	139.5
5	32.8	14.2	8.0	4.0	88.4	367.9	224.3	274.3	203.5	227.3	440.6	131.7
6	31.9	13.6	7.7	3.9	74.2	332.8	206.6	266.1	223.8	222.0	436.6	135.9
7	31.0	13.0	7.6	3.9	72.7	291.7	188.0	244.8	247.6	205.0	468.5	127.2
8	30.2	12.5	8.2	3.9	95.4	262.9	175.7	238.4	249.2	195.4	472.3	120.9
9	30.1	12.0	8.5	4.1	406.7	235.0	175.9	230.5	246.7	182.6	469.3	113.8
10	28.3	11.9	8.5	8.1	777.1	225.1	202.8	218.7	265.7	186.8	454.6	107.4
11	27.4	11.9	8.5	6.8	532.3	208.3	215.2	207.4	265.7	219.3	427.1	106.1
12	26.6	11.9	8.5	7.9	439.5	204.0	218.2	211.0	253.1	256.4	383.9	102.0
13	25.5	11.5	8.5	43.3	390.8	196.4	215.2	215.8	249.7	262.0	329.2	99.1
14	25.5	11.4	8.1	54.8	343.1	196.0	203.1	217.8	263.2	258.8	331.3	91.3
15	25.5	11.0	8.2	38.4	343.5	195.0	203.8	215.9	296.7	253.8	409.7	87.0
16	25.5	10.9	8.1	39.1	472.5	192.1	213.4	215.9	284.8	247.6	451.1	83.3
17	25.5	10.4	8.2	83.7	661.4	188.7	235.3	215.9	278.7	235.4	464.1	81.7
18	26.2	9.9	8.1	116.4	697.7	188.5	278.0	214.1	260.1	235.0	431.0	75.6
19	26.9	9.9	8.5	102.9	866.9	191.8	281.0	209.8	245.8	248.4	385.8	69.5
20	26.9	9.9	8.3	107.2	819.5	190.2	281.0	206.3	248.5	239.9	332.8	66.2
21	25.5	9.5	8.2	88.8	693.8	182.7	281.3	213.4	239.6	238.5	319.1	70.8
22	24.0	9.5	8.0	56.9	679.9	173.8	282.3	215.7	239.2	237.6	298.1	73.3
23	22.7	11.2	6.7	50.0	848.4	170.0	268.7	209.8	226.6	246.3	276.5	78.3
24	22.2	11.4	6.6	50.7	756.3	169.7	265.7	195.4	220.2	241.3	255.0	67.9
25	21.1	11.0	7.8	66.7	621.3	169.7	259.5	196.4	214.3	231.3	232.0	65.6
26	20.5	10.4	5.7	68.3	638.0	169.9	302.2	208.9	206.2	236.8	215.7	61.6
27	20.3	9.3	5.1	59.1	614.6	174.9	282.9	205.6	209.3	249.2	201.9	56.7
28	18.6	9.0	4.9	66.6	611.4	184.5	252.6	200.4	206.8	266.3	184.9	56.4
29	18.1	9.0	4.7	73.0	651.8	202.5	226.1	203.9	187.3	268.9	175.1	53.9
30	17.2		4.5	62.5	604.0	207.9	210.4	199.9	186.3	259.0	168.4	52.7
31	16.6		4.5		546.3		200.3	187.5		266.1		52.7
Mean	26.3	11.6	7.5	42.9	475.1	245.4	231.7	214.4	232.5	235.1	360.1	93.3
Maximum	37.0	15.9	8.9	116.4	866.9	523.0	302.2	274.3	296.7	268.9	552.3	159.2
Minimum	16.6	9.0	4.5	3.9	72.7	169.7	175.7	187.5	186.3	182.6	168.4	52.7
Total	70	29	20	111	1272	636	621	574	603	630	933	250

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	181.8	(cubic metres per second)
Maximum	:	866.9	(cubic metres per second)
Minimum	:	3.9	(cubic metres per second)
Total	:	5750	(million cubic metres)

Data availability

Original values	:	366
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	0

Comments : Unusually, the Gu flood was much higher than the Der

River Jubba at Lugh Ganana 1977

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	56.0	41.3	35.7	13.6	143.3	395.5	260.3	256.6	255.5	330.1	1262.8	564.5
2	58.5	40.7	34.4	12.1	444.0	452.2	254.2	248.7	248.4	308.9	1360.7	528.1
3	60.3	43.6	33.2	11.9	389.3	505.8	249.1	241.6	259.6	289.0	1373.0	510.0
4	58.2	54.2	31.4	85.5	268.9	533.1	229.9	241.2	314.7	283.4	1376.7	471.5
5	56.8	75.5	29.1	389.7	229.9	525.2	214.4	244.7	389.6	285.0	1639.6	435.9
6	53.1	76.7	26.1	402.8	243.3	466.0	202.7	241.2	389.5	291.1	1719.8	405.0
7	50.2	73.8	23.7	327.7	307.8	472.8	198.9	236.9	370.7	298.3	1792.8	363.8
8	48.0	69.9	22.3	307.9	786.8	482.0	193.6	233.1	350.2	316.9	1822.8	329.4
9	44.8	67.5	21.4	427.3	889.4	452.6	189.8	243.4	333.9	357.2	1777.5	311.3
10	43.6	71.2	21.3	492.6	427.9	417.2	202.3	269.5	313.2	449.2	1708.7	275.6
11	45.4	76.2	24.4	479.3	320.3	391.9	221.5	263.2	296.1	507.2	1574.8	259.4
12	49.5	78.0	26.2	720.2	444.9	382.4	237.7	250.3	319.3	535.1	1384.0	251.8
13	56.0	73.5	28.8	588.1	397.4	380.0	240.1	247.7	379.8	626.3	1240.2	249.6
14	59.2	64.3	31.7	439.6	365.1	372.8	256.3	249.7	427.7	647.9	1144.9	241.8
15	58.9	57.2	31.0	501.7	330.3	359.8	253.2	247.4	454.4	668.9	1051.7	240.1
16	51.9	50.9	28.7	441.4	290.3	344.4	252.4	241.7	440.7	628.2	934.1	221.8
17	48.5	49.6	27.1	284.9	265.9	320.3	253.3	266.8	417.4	577.5	803.9	212.1
18	47.1	48.1	23.4	249.0	242.2	311.8	255.8	323.5	395.8	633.4	700.0	208.3
19	45.9	46.1	22.5	233.7	226.5	295.9	270.9	383.1	409.5	764.9	599.6	205.8
20	41.6	51.0	21.6	216.7	208.5	290.0	272.3	386.8	408.4	715.1	551.3	197.3
21	38.8	52.6	21.1	202.4	186.1	268.6	269.1	358.2	407.9	700.0	592.7	188.5
22	38.4	53.6	20.5	190.7	175.9	250.8	253.5	372.0	429.0	720.2	528.8	181.5
23	37.1	53.4	20.3	181.5	180.1	237.7	245.7	412.4	491.2	783.7	692.1	182.8
24	38.0	54.5	18.0	164.2	207.9	294.2	245.6	439.5	522.1	827.8	954.3	173.1
25	41.6	48.4	16.4	138.5	238.0	318.2	247.5	417.5	522.3	899.2	782.2	145.4
26	48.6	41.4	15.3	123.6	267.2	301.5	252.2	416.0	501.9	965.1	616.2	131.4
27	55.8	35.7	14.3	122.2	343.1	290.2	270.7	395.0	457.2	937.6	506.9	125.4
28	58.9	36.5	17.0	115.1	443.4	275.7	277.8	365.6	424.0	918.4	553.5	122.1
29	57.7		19.1	97.3	364.8	278.3	272.3	333.1	396.3	856.5	672.8	108.7
30	54.3		14.7	106.9	344.8	279.4	267.8	303.3	360.1	918.1	673.7	101.4
31	49.0		13.6		356.5		262.6	277.4		1036.1		96.8
Mean	50.0	56.6	23.7	268.9	333.2	364.9	244.3	303.5	389.5	615.4	1079.7	259.4
Maximum	60.3	78.0	35.7	720.2	889.4	533.1	277.8	439.5	522.3	1036.1	1822.8	564.5
Minimum	37.1	35.7	13.6	11.9	143.3	237.7	189.8	233.1	248.4	283.4	506.9	96.8
Total	134	137	63	697	893	946	654	813	1010	1648	2799	695

(Total flows in million cubic metres per month)

Annual statistics

Mean : 332.6 (cubic metres per second)
Maximum : 1822.8 (cubic metres per second)
Minimum : 11.9 (cubic metres per second)
Total : 10488 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments : Substantially the highest flood peak and the highest mean annual flow in the period of records

River Jubba at Lugh Ganana 1978

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	114.8	59.6	50.5	170.7	144.8	177.3	132.0	364.9	293.6	301.8	590.3	317.3
2	104.0	55.6	59.0	157.2	148.5	170.8	134.8	338.4	290.8	320.5	609.0	298.4
3	100.8	52.3	171.1	147.5	141.9	167.2	138.7	320.1	298.2	338.3	482.3	288.6
4	98.4	50.0	310.1	131.9	137.4	157.6	166.5	310.2	320.1	356.7	455.8	276.8
5	93.9	46.3	328.2	113.6	143.8	141.1	162.6	324.0	332.5	395.9	490.1	266.1
6	81.9	45.1	326.4	100.7	144.3	136.9	247.1	352.7	321.8	443.4	429.9	246.3
7	79.8	42.7	322.5	109.6	153.2	129.4	385.5	344.5	324.0	433.7	413.4	231.6
8	79.6	41.7	295.8	117.5	266.9	124.2	452.0	344.6	334.8	433.4	410.9	213.2
9	79.6	41.2	263.9	155.2	335.0	126.4	430.9	357.9	331.3	447.8	387.0	194.3
10	79.6	39.4	260.5	204.4	347.2	117.8	426.0	367.8	351.4	444.4	371.0	162.8
11	79.6	38.4	256.8	189.7	366.9	108.2	426.5	386.1	381.3	432.0	367.5	140.4
12	79.6	37.1	227.4	183.9	404.5	102.7	417.8	421.3	360.2	473.3	335.0	130.9
13	79.4	36.6	224.2	148.4	424.4	98.5	393.2	477.0	338.3	567.6	291.7	116.0
14	77.3	35.3	224.2	139.2	404.0	94.0	368.1	502.2	314.2	693.4	267.9	104.9
15	77.0	34.1	224.0	135.5	385.3	92.7	346.6	464.8	300.6	772.1	245.6	105.7
16	76.9	33.1	220.0	129.2	385.0	90.4	324.1	422.7	291.2	787.1	229.1	127.6
17	73.6	32.6	184.4	128.3	378.1	91.6	362.0	397.0	276.2	805.9	220.2	123.2
18	71.5	31.9	177.3	122.6	374.7	98.2	376.3	383.6	264.1	824.1	216.3	121.8
19	70.8	31.8	175.1	112.9	370.7	102.4	367.3	369.9	258.6	819.9	215.9	114.8
20	69.6	30.9	171.8	101.8	353.3	98.7	375.0	352.3	273.1	818.6	223.0	111.6
21	65.7	28.1	171.5	103.8	331.1	98.3	433.8	358.4	265.7	828.0	239.1	112.9
22	63.7	27.8	172.0	115.6	313.5	105.2	471.4	379.6	246.1	828.8	211.6	114.8
23	61.7	27.7	181.0	118.8	289.0	111.6	470.6	380.5	240.9	825.2	203.9	116.9
24	61.5	27.0	156.6	117.6	258.6	114.0	421.2	372.3	225.3	818.4	203.9	118.6
25	61.5	26.3	108.7	116.8	239.9	121.9	394.9	362.9	216.9	818.1	200.5	117.4
26	60.9	30.9	118.3	173.3	219.9	129.1	385.8	338.6	204.4	823.1	203.2	112.1
27	60.3	44.9	135.1	182.4	201.1	136.2	376.0	313.9	194.7	792.6	251.9	111.6
28	59.8	52.5	135.1	174.7	191.4	145.6	383.8	295.3	201.5	652.0	323.6	107.7
29	60.0		166.1	147.9	181.4	151.5	388.1	282.3	219.1	614.9	347.3	96.4
30	63.9		213.3	138.6	168.9	143.7	392.8	281.3	239.7	711.3	352.1	94.0
31	61.7		187.8		158.8		381.8	285.7		720.0		74.4
Mean	75.8	38.6	200.6	139.6	269.8	122.8	352.7	363.0	283.7	623.9	326.3	157.1
Maximum	114.8	59.6	328.2	204.4	424.4	177.3	471.4	502.2	381.3	828.8	609.0	317.3
Minimum	59.8	26.3	50.5	100.7	137.4	90.4	132.0	281.3	194.7	301.8	200.5	74.4
Total	203	93	537	362	723	318	945	972	735	1671	846	421

(Total flows in million cubic metres per month)

Annual statistics

Mean : 248.2 (cubic metres per second)
Maximum : 828.8 (cubic metres per second)
Minimum : 26.3 (cubic metres per second)
Total : 7826 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments : A very early start to the Gu flood season

River Jubba at Lugh Ganana 1979

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	84.9	62.2	76.2e	271.8e	162.9e	352.4e	184.4e	145.6e	111.2e	132.6e	289.6e	76.0e
2	82.3	74.4	78.4e	251.7e	155.7e	328.9e	178.2e	177.7e	105.7e	147.0e	280.7e	74.0e
3	80.9	77.5	80.2e	220.6e	145.8e	296.9e	172.7e	200.2e	101.2e	159.6e	274.6e	72.3e
4	80.9	90.7	78.5e	203.2e	137.7e	267.4e	169.1e	198.9e	97.2e	168.0e	272.9e	70.6e
5	78.9	121.6	72.8e	194.4e	130.4e	243.5e	166.4e	187.1e	93.6e	171.1e	262.9e	69.3e
6	72.5	123.8	67.0e	183.6e	123.2e	223.9e	165.5e	177.9e	89.9e	169.5e	241.5e	67.9e
7	69.2	119.2	61.8e	165.5e	120.4e	208.1e	167.0e	169.9e	86.7e	167.1e	228.7e	66.0e
8	65.6	103.2	57.5e	151.1e	145.8e	197.6e	168.3e	161.1e	84.5e	164.8e	215.3e	63.9e
9	63.2	97.0	54.1e	150.3e	232.7e	200.7e	166.9e	154.9e	84.3e	162.7e	200.6e	61.5e
10	62.1	90.8	51.4e	150.8e	335.3e	214.1e	164.2e	153.3e	88.2e	160.0e	191.8e	59.3e
11	61.3	83.5	48.8e	148.1e	338.7e	223.6e	161.8e	155.5e	94.5e	150.5e	192.8e	57.3e
12	59.4	80.5	46.0e	149.7e	261.4e	231.2e	159.5e	157.4e	98.5e	127.5e	196.6e	55.1e
13	60.4	74.2	44.8e	157.1e	201.3e	245.2e	156.5e	156.0e	98.6e	105.1e	188.3e	52.8e
14	55.5	68.1	48.0e	163.3e	177.3e	254.7e	151.9e	153.2e	95.7e	98.8e	174.1e	50.4e
15	53.3	62.5	55.5e	168.3e	187.0e	249.4e	146.0e	149.0e	90.7e	98.8e	168.7e	48.2e
16	51.7	60.9	62.9e	174.9e	197.3e	238.4e	140.6e	145.5e	88.4e	104.4e	163.6e	46.7e
17	50.6	62.3	65.6e	184.5e	187.4e	229.8e	135.8e	147.6e	95.6e	117.4e	154.7e	45.9e
18	49.6	61.4	61.0e	191.0e	182.2e	224.8e	130.0e	161.5e	110.2e	139.3e	144.0e	45.4e
19	48.5	59.5	51.8e	194.4e	203.1e	221.0e	123.3e	184.0e	120.4e	159.1e	134.9e	44.7e
20	49.5	69.1	43.9e	201.8e	230.8e	218.0e	118.1e	200.8e	119.8e	166.2e	127.3e	44.6e
21	51.5	86.9	39.0e	209.4e	243.7e	216.9e	115.7e	205.0e	115.1e	170.3e	120.8e	45.4e
22	54.7	90.4	39.3e	216.5e	241.8e	215.6e	115.3e	201.1e	110.5e	175.8e	114.3e	45.9e
23	70.1	83.5	50.2e	223.9e	233.3e	213.7e	117.8e	194.3e	106.7e	186.1e	108.2e	45.9e
24	81.1	79.9	70.0e	224.1e	223.8e	212.0e	128.5e	187.5e	104.3e	198.9e	103.2e	45.3e
25	86.8	75.8	88.0e	212.0e	198.5e	209.4e	144.7e	181.0e	102.1e	216.7e	98.9e	44.1e
26	86.1	74.6	100.3e	194.7e	168.3e	205.9e	145.7e	171.7e	100.3e	249.0e	94.7e	42.6e
27	82.9	72.2	111.9e	180.8e	168.4e	202.0e	133.0e	158.6e	101.6e	278.2e	91.1e	40.8e
28	72.2	69.2	123.1e	174.2e	198.3e	197.4e	127.8e	144.7e	106.8e	289.8e	87.9e	38.8e
29	67.1		134.6e	170.3e	257.5e	193.2e	125.0e	134.5e	113.7e	301.2e	83.5e	36.8e
30	63.0		163.9e	166.8e	321.1e	189.2e	123.4e	126.3e	121.3e	307.9e	78.9e	34.9e
31	61.5		227.3e		354.3e		127.3e	118.4e		301.0e		32.9e
Mean	66.4	81.2	75.9	188.3	208.6	230.8	146.1	166.5	101.2	178.8	169.5	52.4
Maximum	86.8	123.8	227.3	271.8	354.3	352.4	184.4	205.0	121.3	307.9	289.6	76.0
Minimum	48.5	59.5	39.0	148.1	120.4	189.2	115.3	118.4	84.3	98.8	78.9	32.9
Total	178	197	203	488	559	598	391	446	262	479	439	140

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	138.9	(cubic metres per second)
Maximum	:	354.3	(cubic metres per second)
Minimum	:	32.9	(cubic metres per second)
Total	:	4381	(million cubic metres)

Data availability

Original values	:	59
Estimated values (Flag e)	:	306
Missing values (Flag m)	:	0

Comments : Flows modelled from Kaitoi; peaks may be overestimated if there was significant runoff in the middle Jubba valley

River Jubba at Lugh Ganana 1980

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	31.0	13.2e	9.2e	5.6	33.3	75.1	146.8	103.1	143.0	130.5	198.9	57.9e
2	31.0	12.8e	8.9e	5.6	32.2	79.3	161.5	99.5	151.8	177.4	182.3	56.4e
3	30.2	12.3e	8.7e	5.5	35.9	85.7	164.4	95.6	181.8	237.9	167.0	55.5e
4	29.4	12.1e	8.4e	5.2	35.3	90.9	160.8	95.6	191.8	249.7	157.3	55.4e
5	29.3	12.1e	8.1e	5.2	38.5	87.9	157.1	96.8	184.2	249.7	143.0	53.8e
6	27.9	12.0e	7.8e	5.2	51.7	92.3	152.2	109.6	159.4	244.1	135.1	50.8e
7	27.7	11.9e	7.5e	5.2	54.8	92.9	161.7	113.9	141.0	228.2	135.2	47.9
8	27.0	11.7e	7.4e	5.2	96.1	92.9	173.3	113.9	144.1	205.7	131.1	46.2
9	26.3	11.2e	7.1e	4.9	91.4	93.1	167.4	124.6	142.0	184.3	139.0	47.6
10	25.9	10.8e	6.9e	4.9	93.1	96.6	160.4	130.2	136.7	173.3	125.8	44.5
11	25.5	10.7e	6.8e	4.9	102.1	95.1	158.6	130.2	134.7	171.6	111.2	40.7
12	25.5	10.8e	6.7e	4.9	155.1	91.5	160.5	129.0	127.1	169.4	102.8	38.7
13	25.1	10.7e	6.7e	5.0	178.1	84.6	158.9	131.4	118.1	167.2	96.7	35.3e
14	24.7	10.4e	6.5e	5.6	198.8	78.4	164.6	134.5	117.6	166.4	95.6	33.7e
15	23.7	10.3e	6.5e	11.6	192.9	78.3	184.8	148.3	117.6	162.4	95.6	31.9e
16	22.2	10.4e	6.4e	31.0	208.2	78.3	193.3	169.3	117.0	162.4	91.3	30.2e
17	21.8	10.8e	6.4e	24.3	199.4	78.3	201.5	169.7	106.8	165.9	84.8	28.9e
18	21.8	11.5e	6.4	18.7	208.6	76.7	192.1	153.8	105.5	171.3	81.0	27.1e
19	21.2	12.0e	6.4	12.7	195.1	72.3	168.2	135.1	107.1	169.7	77.8	25.7e
20	20.4	12.3e	6.3	11.6	193.6	67.3	151.9	128.6	107.1	168.0	76.9	24.6e
21	19.6e	12.2e	6.0	18.4	167.4	66.7	151.9	130.9	107.1	166.0	72.1	23.9e
22	18.8e	12.1e	6.0	43.6	162.3	66.1	150.8	123.0	109.4	161.5	77.1	23.0e
23	18.1e	11.7e	6.0	41.9	154.4	71.7	136.7	122.3	117.8	158.5	73.4	22.0e
24	17.2e	11.3e	6.0	36.1	114.4	78.3	137.9	115.3	113.1	145.8	67.7	21.1e
25	16.4e	11.0e	5.9	36.6	93.5	80.7	131.0	107.1	104.2	137.2	67.3	20.1e
26	15.5e	10.7e	5.6	42.8	92.9	85.9	123.0	107.8	104.2	132.9	64.5	19.5e
27	14.9e	10.4e	5.6	38.9	88.6	89.0	113.6	108.6	118.3	137.5	60.3	18.6e
28	14.4e	10.1e	5.6	33.4	83.5	96.3	105.0	107.9	133.6	139.9	57.9	17.7e
29	14.1e	9.6e	5.6	33.5	81.7	113.3	99.3	106.4	130.3	193.7	57.4	17.0e
30	13.9e		5.6	33.5	79.6	117.4	97.0	107.1	128.3	201.7	60.2	16.0e
31	13.5e		5.6		76.7		98.6	130.4		203.9		15.7e
Mean	22.4	11.3	6.7	18.1	115.8	85.1	151.1	121.9	130.0	178.5	102.9	33.8
Maximum	31.0	13.2	9.2	43.6	208.6	117.4	201.5	169.7	191.8	249.7	198.9	57.9
Minimum	13.5	9.6	5.6	4.9	32.2	66.1	97.0	95.6	104.2	130.5	57.4	15.7
Total	60	28	18	47	310	221	405	327	337	478	267	91

(Total flows in million cubic metres per month)

Annual statistics

Mean : 81.8 (cubic metres per second)
Maximum : 249.7 (cubic metres per second)
Minimum : 4.9 (cubic metres per second)
Total : 2587 (million cubic metres)

Data availability

Original values : 284
Estimated values (Flag e) : 82
Missing values (Flag m) : 0

Comments : The lowest recorded mean annual flow, and easily the smallest annual flood peak

River Jubba at Lugh Ganana 1981

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	15.3e	4.9	1.5	528.5	1431.1	200.6	90.4	169.1	245.3	429.8	301.5	86.5
2	14.8e	4.6	1.5	485.1	1336.8	175.5	91.8	169.7	238.9	428.1	277.3	86.1
3	14.4e	4.5	1.5	486.7	1255.8	165.5	102.5	174.4	238.9	414.0	266.4	84.8
4	13.9e	4.5	1.8	461.4	1249.9	156.7	107.3	192.4	241.8	402.0	247.1	81.1
5	13.6e	4.5	3.7	323.9	1124.6	148.0	111.1	212.3	247.9	348.2	271.6	79.2
6	13.1e	4.5	3.9	460.9	1019.8	139.6	111.7	229.2	296.7	327.9	283.8	73.9
7	12.7e	4.5	4.8	386.7	945.7	131.4	114.4	228.3	407.8	318.2	228.6	73.3
8	12.0e	3.7	3.9	461.1	923.2	123.4	117.6	224.7	399.3	305.8	223.8	71.5
9	11.6e	2.7	2.7	455.8	833.8	118.3	119.9	227.8	434.9	333.8	232.8	67.5
10	11.2e	2.7	2.7	434.1	663.5	105.6	121.8	222.0	425.1	379.3	235.7	65.1
11	10.5	2.7	2.6	412.6	583.3	116.8	121.9	211.9	401.7	393.6	230.8	62.6
12	9.0	2.4	2.5	370.2	552.0	131.8	114.9	219.3	368.7	435.3	214.7	61.0
13	8.3	2.0	2.5	415.2	495.6	131.8	110.3	227.3	367.0	482.6	196.2	59.0
14	7.5	1.9	2.5	494.8	482.2	131.1	103.8	266.6	370.2	493.2	190.4	56.0
15	6.8	1.6	2.5	673.6	457.0	130.2	98.6	267.0	387.5	488.1	187.9	52.5
16	6.6	1.8	29.3	862.4	429.5	131.9	85.3	250.9	396.0	509.7	180.3	51.6
17	6.4	2.2	143.2	828.1	459.1	136.4	92.3	249.7	396.0	525.7	156.7	50.2
18	6.4	2.2	280.4	912.7	441.4	133.7	94.9	249.7	396.0	568.7	133.9	48.5
19	6.4	2.2	184.0	1143.8	431.1	126.6	98.3	255.5	396.0	572.5	110.4	47.1
20	6.4	2.1	122.3	1037.4	395.0	122.3	107.3	278.1	409.5	531.2	115.7	45.5
21	6.2	1.8	110.0	1062.1	359.7	119.2	114.3	283.3	449.6	481.4	123.0	44.9
22	6.0	1.5	75.1	1135.6	332.4	101.5	114.9	283.3	550.5	463.6	122.0	35.4
23	6.0	1.5	51.2	1093.7	315.9	101.6	147.9	289.4	572.0	457.5	115.0	34.8
24	6.0	1.5	140.7	1223.3	298.9	99.9	162.4	307.9	568.9	454.8	107.5	36.1
25	6.0	1.5	170.2	1151.1	293.7	96.4	162.6	309.3	542.6	450.5	103.8	36.1
26	6.0	1.5	231.7	1263.3	269.9	93.7	165.7	308.5	509.9	442.5	99.9	36.1
27	6.0	1.5	265.2	1256.8	256.4	96.0	164.4	296.3	475.3	461.9	99.9	36.1
28	6.0	1.5	300.6	1276.0	234.1	95.1	162.4	295.0	455.7	378.7	96.7	36.1
29	5.9		515.1	1313.3	223.9	92.9	162.4	294.5	451.7	355.4	92.9	35.3
30	5.3		642.4	1417.9	218.3	92.7	161.8	285.3	444.7	337.9	91.4	34.3
31	5.2		632.4		212.3		164.2	261.6		322.8		32.8
Mean	8.7	2.7	126.9	794.3	597.6	124.9	122.6	249.7	402.9	428.9	177.9	54.9
Maximum	15.3	4.9	642.4	1417.9	1431.1	200.6	165.7	309.3	572.0	572.5	301.5	86.5
Minimum	5.2	1.5	1.5	323.9	212.3	92.7	85.3	169.1	238.9	305.8	91.4	32.8
Total	23	6	340	2059	1601	324	328	669	1044	1149	461	147

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	258.5	(cubic metres per second)
Maximum	:	1431.1	(cubic metres per second)
Minimum	:	1.5	(cubic metres per second)
Total	:	8151	(million cubic metres)

Data availability

Original values	:	355
Estimated values (Flag e)	:	10
Missing values (Flag m)	:	0

Comments : One of the highest recorded flood peaks, and following a period when the river was effectively dry

River Jubba at Lugh Ganana 1982

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	32.3e	26.2e	15.8e	18.9e	288.7e	420.9e	254.5e	264.2	204.7	170.6	499.8e	241.2e
2	32.5e	27.0e	15.3e	18.4e	268.7e	526.6e	260.9e	248.9	204.7	167.6	503.3e	250.5e
3	32.0e	27.5e	15.3e	17.9e	227.6e	596.8e	281.6e	264.2	213.9	167.2	511.0e	271.4e
4	31.2e	27.8e	15.3e	17.7e	240.0e	605.0e	284.8e	247.8	224.8	167.2	558.2e	293.7e
5	30.7e	27.3e	15.3e	17.5e	246.2e	622.3e	273.1e	244.6	225.9	170.2	549.6e	320.3e
6	30.3e	26.5e	15.2e	17.6e	232.1e	574.5e	266.3	226.8	243.7	176.7	497.5e	328.7e
7	30.0e	25.6e	15.1e	18.0e	266.6e	544.0e	248.9	224.8	244.6	172.8	474.4e	313.8e
8	29.9e	25.0e	15.4e	19.1e	279.9e	524.6e	264.2	223.7	217.6	183.9	407.8e	294.7e
9	30.0e	24.4e	16.3e	20.1e	199.4e	509.4e	255.1	206.6	204.7	367.1	328.4e	280.6e
10	30.2e	23.8e	17.1e	23.1e	151.4e	480.0e	237.4	204.7	200.3	515.0	314.7e	266.4e
11	29.8e	23.3e	17.3e	40.6e	117.3e	476.2e	245.3	204.7	195.0	687.6	308.6e	270.6e
12	29.2e	23.1e	17.2e	106.1e	136.9e	430.8e	267.5	205.8	195.5	661.1	306.0e	277.3e
13	29.1e	22.8e	16.7e	217.8e	225.5e	397.7e	266.3	206.9	210.5	817.4	308.0e	236.6e
14	29.2e	21.9e	15.8e	269.9e	333.4e	365.4e	246.6	203.0	233.8	851.4	318.1e	221.4e
15	29.0e	21.3e	15.3e	251.8e	417.9e	330.2e	226.8	178.1	223.8	823.3	314.4e	213.9e
16	29.0e	20.7e	15.2e	206.4e	506.9e	320.3e	225.9	192.6	224.8	820.8	313.7e	205.1e
17	29.3e	20.5e	15.4e	146.8e	565.5e	304.0e	242.6	204.7	225.3	745.7	379.4e	195.4e
18	30.1e	20.4e	16.0e	128.2e	586.5e	299.6e	229.0	205.8	234.1	693.8	381.0e	187.1e
19	30.4e	20.3e	16.5e	129.0e	591.7e	284.4e	262.2	222.9	235.7	734.7	365.1e	185.7e
20	30.3e	20.1e	16.7e	206.5e	588.0e	280.8e	238.2	224.8	244.7	767.0	327.9e	189.0e
21	29.9e	20.0e	17.4e	308.8e	580.7e	296.3e	225.9	225.9	244.6	689.6	303.3e	191.2e
22	29.3	19.6e	18.4e	279.2e	573.3e	309.5e	233.0	243.7	234.7	655.4	311.1e	194.2e
23	28.6e	18.9e	19.2e	219.1e	563.2e	308.1e	215.8	241.3	217.6	682.4	303.2e	212.0e
24	28.0e	18.2e	20.0e	226.3e	550.1e	307.6e	234.4	200.8	214.1	671.6	301.2e	240.0e
25	27.5e	17.7e	20.3e	262.5e	531.1e	304.3e	246.9	224.8	205.7	660.5	311.6e	246.2e
26	26.6e	17.4e	20.6e	280.6e	500.8e	296.7e	264.2	225.9	199.8	639.3	296.5e	228.0e
27	26.3e	17.0e	20.7e	256.0e	466.9e	287.2e	246.6	244.9	182.5	514.6	257.1e	218.3e
28	26.2e	16.5e	20.6e	213.1e	432.9e	290.9e	226.8	265.4	169.9	537.6e	256.0e	212.5e
29	25.5e		20.5e	191.2e	389.0e	272.1e	227.0	267.5	170.8	511.3e	261.3e	196.9e
30	25.3e		20.3e	214.6e	373.9e	269.3e	262.2	256.4	170.8	514.7e	262.3e	182.9e
31	25.3e		19.5e		383.6e		248.9	217.6		505.9e		172.8e
Mean	29.1	22.2	17.3	144.8	381.2	394.5	248.7	226.4	214.0	530.4	361.0	236.7
Maximum	32.5	27.8	20.7	308.8	591.7	622.3	284.8	267.5	244.7	851.4	558.2	328.7
Minimum	25.3	16.5	15.1	17.5	117.3	269.3	215.8	178.1	169.9	167.2	256.0	172.8
Total	78	54	46	375	1021	1023	666	606	555	1421	936	634

(Total flows in million cubic metres per month)

Annual statistics

Mean : 235.1 (cubic metres per second)
Maximum : 851.4 (cubic metres per second)
Minimum : 15.1 (cubic metres per second)
Total : 7414 (million cubic metres)

Data availability

Original values : 115
Estimated values (Flag e) : 250
Missing values (Flag m) : 0

Comments : Little reliable original data

River Jubba at Lugh Ganana 1983

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	166.4e	129.0e	56.1e	32.1e	237.7e	496.1e	227.2e	244.5e	453.2e	435.7e	668.4e	294.3e
2	159.9e	160.0e	47.3e	28.7e	227.3e	487.0e	224.0e	240.2e	434.2e	481.8e	674.6e	271.0e
3	153.7e	128.5e	46.3e	30.5e	270.7e	487.9e	218.6e	236.8e	404.9e	519.0e	677.7e	252.5e
4	148.0e	103.9e	46.8e	34.5e	338.4e	498.4e	234.1e	232.7e	400.0e	525.6e	674.6e	238.1e
5	139.9e	100.8e	46.5e	30.5e	323.8e	510.6e	289.6e	239.7e	407.5e	517.4e	664.7e	216.1e
6	129.6e	70.1e	45.4e	27.0e	274.9e	508.4e	351.6e	268.8e	409.5e	512.6e	645.7e	199.8e
7	123.9e	55.6e	51.0e	25.7e	221.5e	495.9e	400.2e	275.2e	402.8e	518.9e	613.0e	203.0e
8	118.9e	58.9e	61.3e	28.0e	205.2e	476.8e	393.1e	279.2e	376.1e	529.2e	566.1e	202.0e
9	114.9e	59.5e	52.5e	36.1e	191.4e	451.4e	368.9e	272.1e	351.8e	528.0e	493.7e	197.1e
10	110.6e	58.3e	43.5e	38.8e	179.0e	423.2e	362.0e	251.4e	367.4e	520.6e	421.0e	190.8e
11	105.1e	60.5e	47.9e	35.3e	185.5e	394.7e	360.9e	226.7e	375.3e	536.1e	417.2e	181.2e
12	100.2e	66.6e	55.9e	34.3e	177.7e	380.6e	332.2e	208.9e	375.0e	547.4e	431.3e	172.6e
13	97.0e	75.4e	49.4e	35.8e	168.3e	358.7e	292.8e	204.1e	403.3e	554.7e	458.5e	167.5e
14	94.1e	86.9e	36.3e	38.0e	178.5e	337.3e	260.1e	197.1e	433.3e	556.1e	491.3e	159.3e
15	92.5e	86.7e	27.7e	32.5e	236.3e	315.3e	238.2e	188.8e	413.8e	551.6e	505.6e	150.8e
16	90.6e	76.8e	28.3e	29.1e	340.5e	295.1e	241.9e	186.6e	402.1e	544.3e	507.6e	139.9e
17	84.8e	69.5e	34.1e	31.9e	410.4e	285.1e	222.7e	202.5e	394.8e	538.4e	505.7e	127.0e
18	80.7e	71.9e	37.3e	43.0e	422.9e	285.4e	200.5e	226.9e	382.4e	532.2e	502.9e	122.6e
19	76.5e	81.8e	32.5e	65.2e	413.9e	276.0e	204.6e	252.8e	372.0e	531.2e	497.9e	126.0e
20	79.5e	76.8e	35.0e	80.8e	407.8e	263.8e	200.8e	268.8e	349.6e	539.4e	493.3e	122.7e
21	78.7e	70.2e	40.4e	76.9e	418.7e	250.4e	191.8e	302.9e	347.2e	554.0e	486.3e	117.5e
22	76.3e	69.5e	29.8e	83.6e	468.7e	223.9e	182.1e	361.3e	349.0e	562.6e	475.7e	110.7e
23	70.5e	63.1e	24.2e	88.0e	522.9e	218.2e	181.0e	393.0e	380.5e	558.7e	464.2e	104.3e
24	65.7e	51.7e	30.8e	91.1e	545.3e	220.1e	182.9e	406.3e	424.0e	552.0e	461.7e	100.7e
25	64.3e	50.3e	29.6e	90.9e	553.6e	220.2e	189.3e	387.3e	461.4e	554.4e	467.8e	98.5e
26	64.0e	56.7e	30.4e	97.2e	552.7e	215.4e	196.8e	376.8e	461.3e	560.9e	439.6e	96.6e
27	64.8e	56.7e	35.0e	140.4e	544.6e	218.0e	215.2e	378.6e	438.2e	570.9e	388.4e	93.5e
28	60.1e	55.8e	39.2e	238.7e	531.5e	232.6e	251.0e	390.5e	426.1e	580.7e	362.6e	90.0e
29	59.8e		34.8e	299.2e	516.8e	232.8e	267.5e	412.2e	411.2e	591.5e	336.4e	86.3e
30	61.3e		31.5e	273.4e	503.5e	228.0e	261.6e	431.4e	408.3e	618.0e	313.7e	84.1e
31	79.6e		34.0e		499.5e		252.8e	445.7e		657.6e		78.7e
Mean	97.2	76.8	40.0	73.9	357.1	342.9	257.9	290.0	400.5	544.6	503.6	154.7
Maximum	166.4	160.0	61.3	299.2	553.6	510.6	400.2	445.7	461.4	657.6	677.7	294.3
Minimum	59.8	50.3	24.2	25.7	168.3	215.4	181.0	186.6	347.2	435.7	313.7	78.7
Total	260	186	107	192	956	889	691	777	1038	1459	1305	414

(Total flows in million cubic metres per month)

Annual statistics

Mean : 262.4 (cubic metres per second)
Maximum : 677.7 (cubic metres per second)
Minimum : 24.2 (cubic metres per second)
Total : 8274 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : Original data very limited and unreliable. Estimates derived from Mareere so peaks may be approximate

River Jubba at Lugh Ganana 1984

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	65.5	27.6	13.5e	9.3	22.7e	66.2	119.1	145.3	128.4	351.6	133.5	59.1
2	64.7	26.4	13.3e	9.9	23.5	62.2	120.5	152.4	127.5	320.3	137.9	57.2
3	63.5	25.7	12.1e	9.8	23.6	61.9	110.0	152.5	133.5	277.5	142.2	56.4
4	62.4	24.4	12.9e	8.6	22.8	61.4	84.0	138.6	139.8	283.1	135.7	57.2
5	61.3	23.5	12.8e	7.4	21.5	58.6	76.7	131.0	145.8	318.0	129.9	53.8
6	60.1	22.3	11.8e	6.4	21.6	55.8	68.3	126.2	159.0	330.7	130.5	50.9
7	59.0	20.4	10.1e	6.6e	21.8	61.8	56.4	129.0	175.9	341.7	130.1	48.9
8	57.9	18.9	8.6e	6.8e	20.9	79.6	59.2	138.5	187.7	332.0	136.2	46.7
9	56.9	18.5	8.1e	6.9e	18.2	120.2	57.4	131.6	189.7	323.8	145.2	45.1
10	55.8	18.5	8.7e	6.1e	16.9	142.9e	55.5	118.6	197.3	274.6	116.3	47.4
11	54.7	17.6	9.1e	6.1e	16.5	132.6e	51.5	110.2	198.4	252.5	113.2	46.5
12	53.7	16.8	9.4e	6.3e	16.5	118.3e	46.7	128.1	202.0	232.0	112.2	46.0
13	52.6	16.2	9.0e	6.8e	20.0	115.0e	46.1	154.9	205.5	216.2e	93.3	46.2
14	51.6	16.0	7.6	6.8	101.3	120.5	47.2	163.3	200.8	204.9e	85.9	44.2
15	50.5	16.5	7.3e	6.6	94.5	112.9	49.5	152.0	204.4	196.5e	81.5e	42.0
16	49.5	17.1	6.3e	6.3	46.4	106.4	57.6	140.2	229.5	193.9e	82.3e	40.2
17	48.5	16.8	7.4	6.4	39.2	96.8	58.8	141.1e	256.2	197.3e	105.0e	37.8
18	47.5	16.6	9.3	8.1	43.4	87.1	61.3	145.7	288.3	200.7e	129.2e	34.6
19	46.5	16.2	8.7	18.3	43.6	83.6	64.7	160.2	330.2	204.1e	110.8e	31.8
20	40.8	16.0	8.4	8.1	41.4	83.2	67.5	227.9	358.8	207.5	96.0e	29.9
21	40.0	15.6	8.2	7.8	56.1	78.1	68.0	237.6	455.7	213.5	96.1e	28.9
22	38.5	15.4	6.5	10.3	81.6	68.0	69.4	229.7	497.4	226.2	92.7e	29.3
23	36.5	15.0	5.4	17.0	87.9	59.1	68.5	221.5	503.3	252.2	87.6e	29.3
24	35.4	14.4	4.3	34.8	92.2	57.0	82.4	218.2	472.9	237.1	86.4	27.7
25	34.5	14.3	4.4	24.3	92.8	57.3	102.5	214.3	422.4	221.7	83.1	28.6
26	33.7	14.7	4.1	18.7	95.3	67.4	109.2	190.8	349.9	216.0	79.1	29.8
27	32.8	14.4	5.3	16.5	94.2	85.6	112.0	172.8	344.2	205.8	73.1	30.6
28	32.0	14.3	8.9	18.0	92.4	93.7	112.6	161.6	376.3	171.7	68.5	29.4
29	31.2	14.3	10.1	21.9	81.5	102.5	115.6	148.2	408.8	162.3	63.7	30.0
30	30.4		9.0	23.8	72.9	111.6	122.9	134.3	397.0	152.0	61.7	29.2e
31	29.6		8.4		68.6		132.0	128.7		138.7		28.2e
Mean	47.7	18.1	8.7	11.7	51.3	86.9	79.1	159.5	276.2	240.5	104.6	40.1
Maximum	65.5	27.6	13.5	34.8	101.3	142.9	132.0	237.6	503.3	351.6	145.2	59.1
Minimum	29.6	14.3	4.1	6.1	16.5	55.8	46.1	110.2	127.5	138.7	61.7	27.7
Total	128	45	23	30	138	225	212	427	716	644	271	107

(Total flows in million cubic metres per month)

Annual statistics

Mean : 93.8 (cubic metres per second)
Maximum : 503.3 (cubic metres per second)
Minimum : 4.1 (cubic metres per second)
Total : 2967 (million cubic metres)

Data availability

Original values : 320
Estimated values (Flag e) : 46
Missing values (Flag m) : 0

Comments : The smallest Gu season flood peak, and generally a low-flow year

River Jubba at Lugh Ganana 1985

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	26.1	7.0	1.9	11.1	543.0	255.6e	162.3	237.3	189.5	245.1	155.9	102.0
2	22.7	7.1	1.4	13.7	559.8	228.8e	165.6	250.0	186.4	253.3	148.3	95.5
3	21.7	6.4	1.2	12.9	544.7	215.2e	160.6	260.7	181.8	236.6	145.3	86.5
4	20.7	6.1	1.2	10.8	493.9	208.1e	183.2	259.4	175.7	231.4	143.2	80.1
5	19.0	6.4	1.3	11.0e	460.9	204.4e	177.5	236.9	167.4	223.6	142.7	73.8
6	17.7	6.2	1.0	11.8	465.6	203.6e	178.0	237.5	157.3	219.4	141.9	66.8
7	16.5	5.9	0.9	15.4	459.3	204.9e	169.5	251.7	147.0	215.9	147.2	62.9
8	16.3	6.2	0.9	25.9	459.9	208.7e	175.0	268.2	136.7	211.0	151.6	55.7
9	15.3	5.9	0.9	41.0	462.2	212.7	174.8	282.7	126.8	199.4	156.0	51.2
10	15.2	5.7	1.0	49.9	492.9	162.9	185.5	301.5	124.0	193.6	156.4	46.3
11	15.0	5.9	1.4	53.8	506.5	176.5	186.1	324.8	138.7	204.7	150.2	42.4
12	14.1	6.4	1.2	75.2	497.2	168.4	182.8	332.1	154.1	219.6	141.5	42.1
13	13.1	6.3	1.5	360.0	563.1	152.7	168.9	310.2	166.3	256.7	135.0	44.9
14	11.9	5.7	1.8	348.1	624.9	188.2	168.9	267.8	180.6	310.3	129.4	48.2
15	12.1	5.5	1.4	277.9	641.4	149.5	166.5	274.8	189.8	327.1	123.3	51.2
16	12.6	5.6	1.0	205.9	630.4	135.3	165.6	286.8	185.0	332.9	119.2	50.2
17	12.2	5.2	1.0	109.2	604.8	138.8	167.8	294.9	180.7	344.5	114.8	46.9
18	11.7	5.6	0.9	109.3	598.4	134.2	168.5	302.5	177.4	333.1	112.9	44.1
19	10.0	5.6	1.1	151.9	631.1	133.8	185.6	303.5	175.4	315.5	110.5	41.5
20	9.5	5.2	1.0	226.5	600.0	131.8	190.0	301.5	177.2	299.5	112.4	38.9
21	10.4	4.5	1.0	292.1	573.2	155.3e	185.5	300.5	172.1	286.6	111.9	37.4
22	9.3	3.4	1.0	348.1	543.7	185.5	187.7	290.3	166.7	274.7	117.5	35.7
23	9.3	2.7	0.9	278.7	502.5	195.1	193.7	280.0	163.2	254.5	117.7	34.2
24	8.7	2.5	0.7	280.1	486.0	198.7	197.3	266.6	161.9	233.1	116.1	32.4
25	7.8	2.6	0.9	340.7	419.6	198.7	201.4	250.2	163.5	217.6	116.5	31.5
26	8.8	1.9	1.0	406.6	393.5	225.1	203.1	237.3	164.5	199.5	122.5	29.8
27	8.4	1.4	1.3	504.1	375.2	239.8	194.6	224.8	168.5	192.2	123.5e	30.2
28	7.6	1.7	2.8	466.3	335.2	226.1	195.4	212.8	201.4	181.2	123.6	29.9
29	6.9		7.1	390.5	313.1	182.6	185.7	204.7	239.8	172.8	116.2	30.0
30	6.5		2.9	440.7	294.9	141.5	188.4	196.8	238.6	162.3	111.2	28.3
31	7.2		6.1		278.6		223.6	187.4		160.9		28.7
Mean	13.0	5.0	1.6	195.6	495.3	185.4	181.9	265.7	171.9	242.2	130.5	49.0
Maximum	26.1	7.1	7.1	504.1	641.4	255.6	223.6	332.1	239.8	344.5	156.4	102.0
Minimum	6.5	1.4	0.7	10.8	278.6	131.8	160.6	187.4	124.0	160.9	110.5	28.3
Total	35	12	4	507	1327	481	487	712	446	649	338	131

(Total flows in million cubic metres per month)

Annual statistics

Mean : 162.6 (cubic metres per second)
Maximum : 641.4 (cubic metres per second)
Minimum : 0.7 (cubic metres per second)
Total : 5129 (million cubic metres)

Comments :

Data availability

Original values : 354
Estimated values (Flag e) : 11
Missing values (Flag m) : 0

River Jubba at Lugh Ganana 1986

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	25.9	9.0	3.9	24.2	203.1	345.6	298.6e	154.9	173.6	284.1	236.5	84.0
2	23.4	9.0	3.8	16.8	220.8	330.7	282.6	148.6	161.2	271.3	228.8	82.6
3	22.8	7.8	3.9	13.7	244.0	313.3	274.2	149.3	144.0	261.6	218.3	80.4
4	23.5	6.4	4.8	12.0	317.4	276.9	267.5	159.1	128.8	253.4	213.2	78.8
5	22.7	5.7	5.7	11.6	376.4	256.4	266.1	156.6	121.8	271.0	204.9	76.1
6	20.8	5.7	6.2	12.4	298.3	287.9	278.6	158.3	130.7	282.3	198.8	73.4
7	20.2	4.8	7.1	14.0	275.9	334.8	274.3	160.2	148.6	278.0	192.3	71.1
8	21.5	5.4	8.2	21.3	261.2	382.5e	268.2	165.8	166.0	264.3	185.0	69.3
9	20.3	6.4	9.6	27.1	229.9	382.9e	262.4	172.4	181.0	268.9	180.0	65.9
10	18.9	6.9	10.5	42.5	184.7	371.5	257.0	173.7	197.4	282.6	175.1	63.6
11	18.2	6.5	10.6	179.7	173.0	357.3	259.5	170.2	214.5	293.8	172.0	60.7
12	19.2	5.7	11.0	270.2	161.9	324.4	255.1	163.7	215.7	298.3	167.2	58.3
13	17.7	6.5	10.7	262.5	155.0	304.2	253.2	158.3	215.3	288.3	163.0	56.8
14	16.4	6.4	13.2	254.5	149.3	285.7	247.3	147.5	213.3	279.0	156.6	58.8
15	15.7	5.5	16.1	241.7	151.1	271.7	239.4	143.4e	224.3	281.4	123.9	57.8
16	16.0	5.7	17.2	185.2	174.4	261.7	224.7	151.3e	247.0	276.5	111.7	59.3
17	15.2	5.1	16.4	151.8	222.5	256.0	209.2	164.5	308.0	267.5	103.1	57.4
18	15.7	3.9	14.7	132.8	250.4	254.1	195.0	170.2	372.0	261.4	96.7	55.2
19	13.8	3.4	14.7	124.3	231.3	245.7	191.1	174.1	397.2	268.5	94.3	58.5e
20	12.4	4.1	15.9	152.4	221.6	238.6	189.0	180.4	408.4	278.4	97.8	51.5
21	11.5	5.5	16.7	164.1	241.0	234.9	192.4	189.3	401.9	384.6e	98.5	49.8
22	11.9	7.2	15.4	174.7	281.5	236.6	193.1	201.1	385.3	324.8e	95.8	46.7
23	12.7	7.7	12.1	170.2	310.9	242.1	192.4	218.1	357.3	280.0	89.5	45.0e
24	12.2	5.9	9.1	163.9	354.6	260.1	185.4	235.9	450.6	268.2	82.4	44.7
25	11.6	5.1	7.0	163.9	424.4	266.0	174.0	243.7	433.3	255.3	83.7	41.8
26	10.5	4.7	5.3	171.0	543.9	298.8e	171.5	252.0	405.7	246.3	84.1	41.6
27	11.5	4.3	5.0	270.5	482.6	321.0	174.8	258.7	363.1	241.9	85.0	42.9
28	11.1	3.9	6.1	245.9	456.8	323.9	173.2	262.5	334.4	255.8	82.0	41.1
29	9.6		6.6	189.7	430.8	317.1	170.3	252.9	333.7	254.3	81.3	39.3
30	9.6		9.3	200.1	423.4	303.6	166.6	220.9	315.4	247.9	81.3	37.5
31	9.3		22.8		391.5		160.8	199.3		241.5		35.0
Mean	16.2	5.9	10.3	135.5	285.3	296.2	224.1	185.7	271.6	274.5	139.4	57.6
Maximum	25.9	9.0	22.8	270.5	543.9	382.9	298.6	262.5	450.6	384.6	236.5	84.0
Minimum	9.3	3.4	3.8	11.6	149.3	234.9	160.8	143.4	121.8	241.5	81.3	35.0
Total	43	14	28	351	764	768	600	497	704	735	361	154

(Total flows in million cubic metres per month)

Annual statistics

Mean : 159.2 (cubic metres per second)
Maximum : 543.9 (cubic metres per second)
Minimum : 3.4 (cubic metres per second)
Total : 5021 (million cubic metres)

Data availability

Original values : 355
Estimated values (Flag e) : 10
Missing values (Flag m) : 0

Comments :

River Jubba at Lugh Ganana 1987

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	33.1	10.9	5.6	37.5	161.9	1013.1	201.1	170.4	193.0	119.7	314.0	113.2
2	31.5	10.5	3.9	35.6	156.3	995.7	196.0	161.6	220.5	130.3	287.3	108.2
3	29.2	9.5	2.9	35.6	150.3	980.4	188.2	158.1	232.3	140.1	314.3	102.6
4	27.7	8.9	2.9	36.2	136.8	914.2	191.2	157.2	221.0	138.3	347.5	100.1
5	28.4	9.3	4.5	40.3	125.3	822.6	193.5	147.9	211.7	129.6	361.8	98.3
6	26.0	9.3	5.4	43.7	113.6	798.9	195.6	143.1	200.8	147.9	405.4	96.4
7	24.0	9.1	4.6	52.5	98.9	770.1	192.8	132.5	191.2	227.8	492.7	95.6
8	22.3	9.7	4.8	47.4	84.9	710.9	211.0	120.7	180.6	245.9	464.2	96.7
9	20.9	10.7	7.9	46.4	74.0	616.4	254.9	111.9	173.7	278.3	435.0	92.5
10	19.7	11.3	10.1	52.2	77.9	573.0	257.2	106.4	167.1	324.8	404.1	85.8
11	21.1	10.1	11.6	59.1	88.5	549.1	254.3	112.5	159.6	328.6	368.9	83.4
12	22.8	8.7	11.2	64.8	82.7	536.1	257.5	113.5	153.1	320.1	353.3	80.8
13	22.5	7.4	9.1	119.1	79.3	463.9	253.5	110.1	145.9	303.1	353.6	77.1
14	20.5	6.4	8.1	126.4	84.4	452.7	245.3	103.0	141.0	307.0	344.5	76.6
15	18.8	6.2	7.2	161.6	102.2	450.8	227.1	96.9	130.2	335.3	295.4	80.1
16	17.3	5.8	6.2	165.2	266.3	462.4	217.3	95.3	120.6	410.7	259.8	75.9
17	15.5	6.0	5.1	194.0	451.2	454.3	213.9	95.4	110.9	487.3	240.5	74.6
18	14.8	6.9	5.2	211.2	491.2	429.0	205.2	93.6	106.7	501.3	228.9	79.1
19	13.5	5.8	7.3	199.7	368.2	398.4	197.1	92.3	102.2	469.6	214.9	76.0
20	13.5	5.3	10.5	196.0	357.3	358.4	191.2	105.2	103.1	448.6	197.0	73.4
21	16.4	5.5	21.5	181.7	987.8	326.1	166.0	110.5	112.0	418.5	185.2	70.9
22	17.6	6.3	21.3	177.4	1475.2	297.9	158.3	108.2	121.7	393.2	176.4	67.1
23	16.3	5.7	24.7	173.8	1309.5	278.5	159.3	105.3	133.3	368.4	163.5	62.0
24	15.9	5.4	28.2	170.2	1193.5	265.4	170.2	103.7	137.4	346.3	157.8	55.7
25	14.2	5.0	32.9	166.6	841.1	255.4	167.9	104.4	137.2	329.2	144.1	54.0
26	12.9	7.4	37.5	163.0	812.1	242.5	154.4	122.2	133.2	307.0	136.4	52.0
27	13.2	6.8	43.4	159.7	810.0	238.6	150.6	127.7	126.4	280.3	127.0	49.8
28	12.5	6.1	46.2	155.0	900.0e	231.8	142.1	121.4	124.6	260.5	119.8	47.0
29	12.9		43.9	148.4	999.9e	218.3	144.9	125.3	126.2	270.0	122.7	46.1
30	11.9		43.2	163.9	1111.0	208.9	159.2	142.4	120.7	300.1	118.3	43.9
31	11.2		39.3		1027.6		167.4	159.8		326.3		44.8
Mean	19.3	7.7	16.6	119.5	484.5	510.5	196.3	121.2	151.3	303.0	271.1	76.1
Maximum	33.1	11.3	46.2	211.2	1475.2	1013.1	257.5	170.4	232.3	501.3	492.7	113.2
Minimum	11.2	5.0	2.9	35.6	74.0	208.9	142.1	92.3	102.2	119.7	118.3	43.9
Total	52	19	45	310	1298	1323	526	325	392	812	703	204

(Total flows in million cubic metres per month)

Annual statistics

Mean : 190.5 (cubic metres per second)
Maximum : 1475.2 (cubic metres per second)
Minimum : 2.9 (cubic metres per second)
Total : 6006 (million cubic metres)

Data availability

Original values : 363
Estimated values (Flag e) : 2
Missing values (Flag m) : 0

Comments : The highest recorded Gu season flood peak

River Jubba at Lugh Ganana 1988

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	42.9	21.2	9.1	6.9	150.9	108.8	91.4	242.3	262.3	259.9	451.3	92.3
2	41.1	21.0	10.3	6.4	159.8	102.0	87.8	233.4	253.2	276.4	422.7	89.1
3	39.3	21.8	9.6	5.8	161.7	93.2	84.5	244.3	248.7	296.5	423.9	85.2
4	37.5	21.8	9.8	5.4	160.2	77.9	78.6	244.1	241.1	292.7	398.5	81.8
5	35.7	21.7	10.0	5.7	158.3	71.2	75.9	236.2	227.0	294.2	365.9	78.8
6	34.0	21.8	9.6	5.8	154.3	68.6	79.0	241.0	213.2	302.2	320.3	75.5
7	32.3	21.2	8.9	5.9	153.0	66.2	95.2	290.3	203.3	307.4	296.7	73.1
8	31.6	20.2	9.0	5.7	160.7	63.3	106.8	401.4	212.3	310.4	280.9	70.6
9	32.2	18.3	10.0	6.0	156.3	60.6	128.6	433.1	218.0	320.7	261.5	68.6
10	31.4	17.9	10.4	7.1	130.2	57.5	147.8	429.5	228.8	363.6	240.6	66.7
11	30.1	17.9	13.5	9.6	125.4	58.5	145.4	415.7	251.7	401.5	228.9	64.4
12	32.5	17.3	16.0	21.6	126.2	57.6	147.0	395.4	271.1	416.6	216.9	62.1
13	37.9	17.2	15.7	16.4	132.2	55.5	158.0	370.0	260.1	434.5	208.3	59.8
14	39.2	16.4	13.0	12.4	139.5	55.0	169.7	349.4	253.9	447.8	195.8	58.0
15	38.3	15.3	12.1	11.9	135.4	57.6	175.0	364.2	244.0	442.9	182.6	56.2
16	36.0	15.4	11.8	13.8	136.5	59.8	175.2	410.2	237.4	428.4	173.3	54.8
17	34.3	14.9	12.2	17.0	127.9	68.2	166.8	441.3	220.4	432.1	165.1	54.0
18	33.4	15.2	13.8	28.8	117.5	97.4	163.0	407.7	209.9	503.8	155.8	53.4
19	32.1	16.0	15.4	207.9	107.1	113.9	162.1	356.0	199.5	571.1	147.1	53.9
20	30.6	15.8	15.2	303.9	105.2	120.0	168.8	318.6	193.9	692.9	139.8	56.8
21	29.6	14.9	13.7	187.5	103.7	125.9	230.4	295.2	313.0	829.7	134.4	55.1
22	29.3	13.6	12.6	125.1	116.5	127.8	355.1	281.6	471.5	855.8	130.8	54.0
23	28.2	12.6	11.9	126.8	167.1	125.9	381.0	264.6	265.2	833.1	129.0	52.0
24	26.0	11.9	10.9	135.5	166.4	125.0	357.2	267.3	255.3	836.0	125.4	50.0
25	24.7	11.1	10.5	153.9	156.8	127.2	332.3	305.1	252.2	796.2	120.3	48.0
26	24.0	10.6	10.3	117.9	148.7	125.5	343.6	311.1	261.5	739.9	115.7	46.2
27	23.3	10.1	11.0	110.4	143.7	120.7	339.9	330.5	277.0	664.1	110.3	44.9
28	22.4	9.6	10.6	107.7	139.8	114.4	317.0	322.8	274.2	596.8	104.9	43.3
29	21.4	9.1	9.6	114.7	134.2	106.3	293.2	314.5	268.2	544.5	100.1	42.0
30	20.8		8.3	126.1	128.0	98.1	270.2	295.0	259.8	503.1	95.9	40.8
31	21.8		7.5		120.5		255.7	275.2		471.0		39.3
Mean	31.4	16.3	11.4	67.0	139.5	90.3	196.2	325.4	251.6	498.9	214.8	60.3
Maximum	42.9	21.8	16.0	303.9	167.1	127.8	381.0	441.3	471.5	855.8	451.3	92.3
Minimum	20.8	9.1	7.5	5.4	103.7	55.0	75.9	233.4	193.9	259.9	95.9	39.3
Total	84	41	30	174	374	234	525	872	652	1336	557	162

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	159.4	(cubic metres per second)
Maximum	:	855.8	(cubic metres per second)
Minimum	:	5.4	(cubic metres per second)
Total	:	5040	(million cubic metres)

Data availability

Original values	:	366
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	0

Comments : Gu flood low and early; Der flood typical in timing and magnitude

River Jubba at Lugh Ganana 1989

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	38.7	23.4	12.4	29.7	791.9	150.2	134.4	265.7	179.7e	300.6	506.9	229.7
2	37.5	23.3	11.9	56.2	832.0	138.6	126.7	250.3	188.9e	289.5	478.2	219.7
3	36.3	21.8	11.6	61.4	710.2	137.1	122.8	236.3	233.9	272.9	467.2	206.7
4	35.1	20.6	11.1	56.9	638.5	138.7	119.2	223.1	266.9	278.8	455.0	203.3e
5	34.0	21.2	10.4	53.4	713.0	139.2	114.6	215.8	289.8	293.9	408.1	194.4e
6	32.9	21.6	9.8	73.3	496.9	138.0	110.1	209.8	326.8	304.8	354.8	177.8e
7	32.1	21.0	9.6	104.7	413.6	130.7	108.7	210.3	330.3	343.6	334.0	170.2
8	30.7	19.4	9.1	197.1	368.9	121.7	108.1	201.4	328.0	392.9	309.5	174.0
9	29.6	17.9	9.1	222.7	373.4	113.3	105.3	189.7	331.2	472.3	294.8	169.5
10	28.8	16.9	8.8	416.5	332.8	107.3	102.4	174.7	351.9	652.4	283.4	173.4
11	28.0	16.0	8.7	385.7	287.4	103.0	112.1	164.3	350.5	513.8	272.8	170.3
12	27.3	15.4	8.4	190.4	270.6	98.7	138.3	155.5	344.8	473.0	263.1	170.6
13	26.5	14.9	8.2	168.2	244.2	93.4	142.4	150.8	347.9	448.7	272.2	182.3
14	25.8	14.1	7.9	227.8	228.3	99.2	146.1	160.8	431.7	305.8	299.6	220.4
15	25.0	13.5	7.8	354.8	208.6	172.7	157.6	180.4	474.0	261.3	294.4	296.9
16	24.2	13.0	7.6	350.3	225.2	211.7	167.8	185.1	502.7	255.3	255.9	366.7
17	23.3	13.0	7.5	303.3	226.4	224.7	179.5	167.1	471.8	354.8	243.7	333.9
18	22.8	13.5	7.2	242.5	215.4	209.1	186.4	165.8	438.8	388.7	253.1	303.9
19	21.9	15.1	7.1	195.0	235.0	214.3	218.2	173.1	418.9	543.8	290.5	280.4
20	21.4	20.3	6.8	174.6	257.5	230.9	228.3	177.8	357.5	604.7	246.2	265.6
21	20.8	21.1	6.5	196.2	282.1	232.4	222.7	176.3	348.0	655.1	237.4	251.8
22	20.1	19.2	6.3	158.1	277.4	214.3	216.3	173.5	338.6	683.9	228.7	226.6
23	19.6	17.5	6.2	142.4	267.2	199.9	203.3	163.9	325.9	715.4	216.0	219.0
24	18.8	15.9	6.2	171.9	260.2	196.5	189.5	166.2	314.3	850.6	205.1	211.8
25	18.3	14.9	7.2	192.9	230.1	201.8	179.0	174.2	303.4	893.7	222.4	202.0
26	17.9	14.1	7.5	248.4	194.4	189.5	187.6	182.6	291.5	893.2	421.4	193.4
27	17.5	13.5	12.4	368.4	174.7	175.7	246.1	197.7	274.5	847.8	229.6	192.0
28	17.3	13.0	31.6	769.1	161.7	162.6	264.1	207.5	265.8	730.4	248.3	197.3
29	17.3		26.8	957.9	155.6	149.5	295.7	210.7	253.9	633.7	228.9	192.0
30	17.6		21.4	922.9	150.6	140.9	283.1	200.8	254.8	574.4	236.8	187.7
31	20.5		18.7		152.2		275.5	192.6e		531.4		183.7
Mean	25.4	17.3	10.7	266.4	334.7	161.2	173.9	190.5	331.2	508.4	301.9	218.3
Maximum	38.7	23.4	31.6	957.9	832.0	232.4	295.7	265.7	502.7	893.7	506.9	366.7
Minimum	17.3	13.0	6.2	29.7	150.6	93.4	102.4	150.8	179.7	255.3	205.1	169.5
Total	68	42	29	691	896	418	466	510	859	1362	783	585

(Total flows in million cubic metres per month)

Annual statistics

Mean : 212.7 (cubic metres per second)
Maximum : 957.9 (cubic metres per second)
Minimum : 6.2 (cubic metres per second)
Total : 6707 (million cubic metres)

Data availability

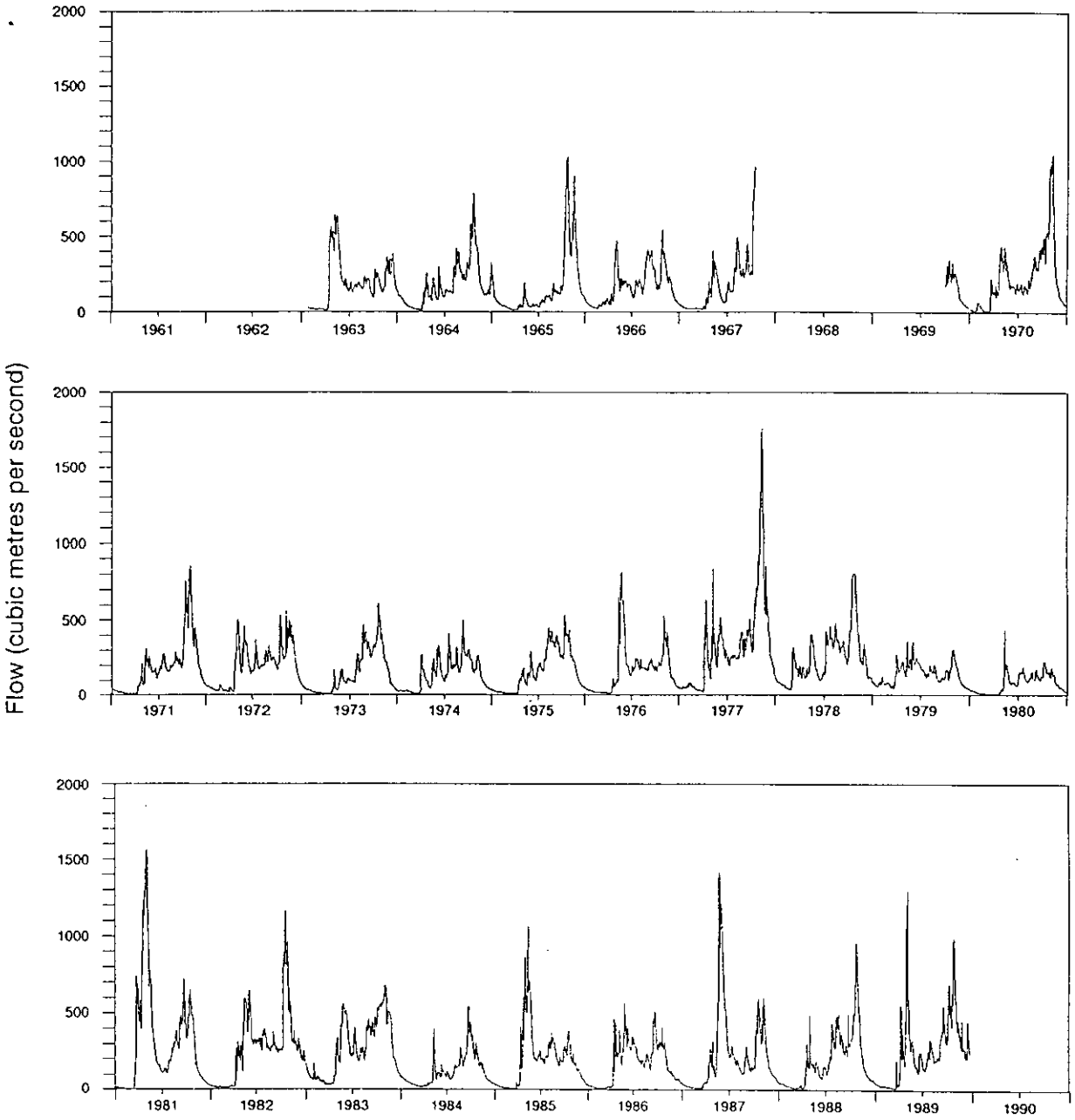
Original values : 359
Estimated values (Flag e) : 6
Missing values (Flag m) : 0

Comments : Substantial flood peaks in both the Gu and Der seasons

BARDHEERE

1963 - 1989

River Jubba: Daily mean flows for Bardheere
for the period 1963 - 1989



River Jubba at Bardheere 1963

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	20.9e	13.3e	11.6e	546.9e	235.4e	148.9	184.0	200.7	94.5	144.4	255.6
2	m	20.6e	13.6e	11.3e	499.8e	222.8e	150.7	177.2	189.3	102.0	136.5	354.6
3	m	20.3e	14.7e	11.2e	472.2e	213.8e	146.7	177.7	181.2	124.6	133.3	337.1
4	m	19.9e	17.1e	11.4e	402.3e	203.0	151.6	187.5	186.9	157.9	127.6	258.3
5	m	19.1e	19.8e	11.6e	435.0e	198.8	165.8	197.5	205.1	199.7	124.8	259.1
6	m	18.1e	21.1e	12.3e	533.4e	199.3	197.3	200.1	204.4	283.5	125.3	254.2
7	m	17.7e	20.6e	13.3e	642.4e	196.3	186.4	197.0	202.5	271.6	128.2	242.6
8	m	17.4e	19.4e	14.9e	600.7e	185.0	174.8	187.5	212.0	257.2	134.2	245.8
9	m	17.0e	18.7e	16.7e	611.8e	174.8	163.0	179.6	226.3	241.1	145.6	266.8
10	m	16.8e	18.2e	17.0e	614.9e	171.4	151.6	173.6	225.7	227.4	153.0	346.3
11	m	17.4e	17.3e	21.3e	560.6e	166.7	142.4	171.7	221.5	221.8	160.8	352.7
12	m	18.7e	16.3e	32.7e	527.3e	172.0	134.8	170.5	219.7	223.0	163.8	343.1
13	m	19.8e	15.5e	63.8e	506.4e	183.2	128.2	168.3	218.8	222.9	162.4	350.2
14	m	19.5e	15.0e	152.6e	558.9e	199.0	124.3	162.8	213.8	229.3	163.8	335.5
15	m	18.8e	14.6e	293.7e	627.6e	218.2	129.0	160.0	204.2	245.1	270.0	342.0
16	m	18.2e	14.7e	427.1e	639.7e	223.2	135.3	157.4	190.9	262.5	241.4	391.3
17	m	17.3e	15.5e	492.2e	630.6e	210.5	142.5	155.3	178.1	260.6	261.4	382.7
18	m	16.7e	16.3e	506.8e	612.6e	199.5	153.4	159.1	165.5	255.9	284.6	342.1
19	m	16.5e	17.1e	514.2e	569.5e	187.2	159.1	158.6	153.9	249.2	260.7	308.8
20	m	16.1e	17.8e	530.1e	528.3e	173.3	161.0	155.4	141.8	236.5	285.5	274.5
21	m	15.7e	17.8e	564.8e	503.7e	161.3	163.9	151.8	132.4	224.3	322.0	244.8
22	m	15.3e	16.8e	552.1e	485.8e	157.0	163.3	147.7	126.7	210.4	333.5	223.4
23	m	14.9e	15.6e	505.8e	459.3e	160.0	166.5	151.5	122.4	198.2	366.1	206.2
24	25.7e	14.6e	15.0e	484.2e	424.2e	158.4	174.8	166.5	118.6	191.6	349.9	190.6
25	25.5e	14.2e	14.5e	484.5e	383.9e	148.7	183.2	186.8	114.5	188.0	329.2	179.6
26	25.2e	13.8e	13.8e	478.6e	351.2e	143.0	176.8	208.4	110.9	183.4	295.4	172.7
27	24.9e	13.5e	13.3e	469.3e	338.9e	142.2	172.1	233.8	107.8	177.5	272.0	164.5
28	24.4e	13.3e	12.6e	477.5e	320.9e	139.4	164.1	240.9	104.2	166.8	262.1	156.3
29	23.8e		11.6e	508.0e	298.6e	132.8	157.0	230.7	99.6	155.7	265.5	147.7
30	23.0e		11.1e	546.4e	274.7e	135.1	159.0	217.4	96.2	148.7	242.1	144.5
31	21.8e		11.3e		250.9		175.0	209.6		168.9		139.8
Mean	-	17.2	15.8	274.6	490.7	180.4	158.1	181.5	169.2	205.8	221.5	265.0
Maximum	-	20.9	21.1	564.8	642.4	235.4	197.3	240.9	226.3	283.5	366.1	391.3
Minimum	-	13.3	11.1	11.2	250.9	132.8	124.3	147.7	96.2	94.5	124.8	139.8
Total	-	42	42	712	1314	468	424	486	439	551	574	710

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	211
Estimated values (Flag e)	:	131
Missing values (Flag m)	:	23

Comments : Good data from start of available records in June

River Jubba at Bardheere 1964

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	139.3	55.2	23.3	15.7	89.9	86.5	96.7	119.4	273.8	300.6	452.2	113.5
2	137.8	50.7	23.0	10.7	96.3	82.9	100.5	122.6	263.9	280.9	439.6	110.4
3	133.4	48.5	22.3	9.4	96.6	80.4	111.0	129.2	266.0	280.8	433.5	108.4
4	126.4	47.2	21.4	9.6	97.9	76.7	121.2	134.8	269.8	287.5	429.8	109.0
5	120.1	45.5	20.6	9.3	103.6	74.5	140.3	211.9	263.4	287.0	423.2	112.4
6	115.9	43.7	19.9	20.8	108.4	78.4	151.5	278.4	259.6	315.7	410.7	117.1
7	112.2	42.4	19.3	28.1	100.8	91.2	152.1	289.0	245.2	338.3	408.6	124.0
8	104.9	41.5	18.7	63.5	97.3	245.0	148.1	306.4	229.7	341.8	388.6	119.3
9	101.8	40.7	18.2	49.4	111.3	303.5	146.7	278.3	219.0	382.1	364.3	113.6
10	102.4	39.8	17.9	50.7	110.4	281.4	149.1	251.8	208.4	476.6	341.4	112.7
11	106.5	38.2	17.6	44.1	95.0	260.3	149.0	237.0	208.5	570.6	317.9	110.6
12	106.5	37.0	17.0	46.2	79.0	232.4	144.6	226.1	213.5	582.9	295.3	109.7
13	105.5	35.8	16.5	138.5	72.3	219.8	138.3	233.3	229.1	511.8	276.1	113.0
14	105.0	34.3	15.7	120.5	77.6	203.2	136.5	281.6	249.5	481.9	254.5	129.1
15	105.4	33.5	15.0	94.3	155.8	186.7	137.5	398.8	250.5	499.0	227.9	115.5
16	100.7	32.7	14.4	119.5	162.2	172.1	132.9	427.4	247.7	537.5	211.9	118.1
17	94.5	31.7	13.6	135.4	172.7	161.9	129.0	394.1	238.0	497.9	204.1	122.4
18	91.2	31.2	13.1	124.6	220.9	157.0	132.0	357.8	223.8	494.2	192.7	132.1
19	88.7	30.8	13.0	114.6	228.0	149.4	139.0	330.6	211.3	557.3	178.6	150.1
20	85.3	30.1	18.8	126.2	223.0	139.1	138.3	315.8	207.5	639.7	170.2	153.2
21	82.8	29.1	14.7	198.2	195.9	132.1	135.5	317.2	203.0	691.8	162.6	148.6
22	80.0	28.4	20.7	260.2	179.7	126.2	143.2	336.5	204.1	754.7	151.4	119.9
23	77.0	28.0	16.4	256.5	181.3	117.5	143.7	369.1	212.1	790.4	146.1	113.8
24	73.8	28.0	13.0	215.0	180.9	110.5	141.6	399.6	229.5	738.4	142.5	119.6
25	71.5	28.0	12.0	144.5	162.0	104.7	136.5	394.6	263.6	641.5	142.9	153.1
26	69.3	27.6	11.5	162.5	145.2	100.0	131.3	395.1	320.6	620.0	144.0	159.4
27	66.2	26.4	11.0	185.5	130.5	95.7	127.8	391.3	330.7	564.0	148.1	176.1
28	63.1	25.3	10.8	177.7	119.5	94.4	125.6	374.8	329.0	536.6	144.7	192.1
29	60.2	24.3	10.4	123.4	109.4	98.6	124.6	352.9	324.0	517.2	135.9	265.4
30	58.0		10.5	94.1	99.2	97.4	123.4	326.7	317.7	491.9	128.0	328.2
31	55.6		14.5		92.5		121.3	296.1		465.9		306.5
Mean	94.9	35.7	16.3	105.0	132.1	145.3	133.8	299.3	250.4	499.2	262.2	144.4
Maximum	139.3	55.2	23.3	260.2	228.0	303.5	152.1	427.4	330.7	790.4	452.2	328.2
Minimum	55.6	24.3	10.4	9.3	72.3	74.5	96.7	119.4	203.0	280.8	128.0	108.4
Total	254	89	44	272	354	377	358	802	649	1337	680	387

(Total flows in million cubic metres per month)

Annual statistics

Mean : 177.2 (cubic metres per second)
Maximum : 790.4 (cubic metres per second)
Minimum : 9.3 (cubic metres per second)
Total : 5603 (million cubic metres)

Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments : An unusual flood peak at the very end of the year

River Jubba at Bardheere 1965

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	294.3e	53.0	28.9	16.6	29.8	31.9	34.0	111.0	172.0	157.8	436.5	343.0
2	281.8e	50.5	27.9	16.5	32.6	32.7	32.3	110.9	162.7	151.8	437.5	313.9
3	253.9e	49.4	26.1	16.2	72.5	34.1	30.6	110.7	150.4	144.8	399.4	277.0
4	236.2e	48.1	25.6	16.2	81.3	33.6	29.7	106.6	141.3	140.5	368.2	261.7
5	225.1e	47.6	25.2	15.7	94.4	33.1	28.5	103.3	135.1	144.1	387.2	243.2
6	211.0e	46.3	24.9	15.7	119.7	33.9	31.0	103.0	133.7	217.6	408.0	231.3
7	192.1e	45.4	24.5	15.7	165.3	36.8	41.3	104.2	144.6	276.2	393.2	219.1
8	171.8e	44.4	23.4	15.6	171.8	40.1	53.1	104.8	149.4	230.5	368.5	205.6
9	154.4e	42.5	23.3	15.2	196.9	45.7	62.4	99.5	140.5	243.3	379.5	195.5
10	135.6e	41.0	22.4	15.7	165.5	53.5	62.9	96.9	130.3	330.9	385.3	186.0
11	118.1e	40.7	21.7	16.9	124.6	55.3	60.1	104.7	125.1	394.2	538.3	176.0
12	101.8e	39.8	20.8	17.3	101.3	52.7	57.6	114.5	127.8	518.0	643.4	165.5
13	94.9e	39.4	20.8	17.3	91.1	47.1	59.3	116.8	139.6	549.8	667.5	155.8
14	92.9	39.5	20.8	17.7	88.6	43.7	64.4	115.6	141.4	568.0	505.7	147.9
15	87.8	41.0	20.3	27.4	83.7	40.4	73.7	110.5	135.6	677.5	480.7	141.6
16	85.6	41.8	16.5	46.6	79.8	38.3	78.4	103.3	124.7	958.7	729.0	135.8
17	84.4	41.0	15.4	38.0	76.4	37.8	80.5	93.4	118.1	1012.7	857.8	129.4
18	80.7	40.3	14.7	31.0	71.2	38.2	86.8	85.9	117.9	979.8	909.8	124.3
19	78.5	39.4	15.1	50.1	66.6	41.0	86.8	80.0	125.5	985.4	762.7	120.7
20	74.0	37.9	14.9	48.6	59.8	47.3	82.2	74.0	127.6	965.9	684.5	117.1
21	71.1	37.8	14.9	30.9	55.2	51.8	75.6	70.2	128.0	981.8	732.9	115.1
22	69.7	37.8	15.1	28.1	51.0	51.2	69.1	70.3	124.1	1012.0	584.7	113.7
23	67.7	37.0	14.4	28.9	47.3	49.5	64.3	73.5	118.2	1035.9	565.0	110.4
24	65.2	35.7	14.1	30.3	44.1	48.5	61.0	77.8	114.5	1029.6	544.9	108.3
25	62.6	33.3	13.6	33.9	40.4	47.6	59.5	81.8	115.5	881.0	514.2	107.1
26	61.5	32.4	12.9	43.2	38.2	45.4	59.4	96.6	137.0	757.7	481.4	108.8
27	60.5	31.6	12.0	29.6	36.6	42.0	59.7	119.5	174.9	670.8	453.1	110.1
28	58.9	30.8	15.8	37.8	34.7	39.5	64.1	148.3	172.6	608.9	435.5	104.6
29	57.4		16.4	36.8	33.9	37.8	66.7	183.5	166.7	571.8	396.8	98.2
30	55.6		16.2	40.6	33.1	35.9	90.1	193.5	161.9	549.0	370.9	93.1
31	53.8		15.8		32.1		110.6	182.2		493.8		88.9
Mean	120.6	40.9	19.2	27.0	78.1	42.2	61.8	108.0	138.6	588.4	527.4	162.9
Maximum	294.3	53.0	28.9	50.1	196.9	55.3	110.6	193.5	174.9	1035.9	909.8	343.0
Minimum	53.8	30.8	12.0	15.2	29.8	31.9	28.5	70.2	114.5	140.5	368.2	88.9
Total	323	99	51	70	209	109	166	289	359	1576	1367	436

(Total flows in million cubic metres per month)

Annual statistics

Mean : 160.3 (cubic metres per second)
Maximum : 1035.9 (cubic metres per second)
Minimum : 12.0 (cubic metres per second)
Total : 5055 (million cubic metres)

Data availability

Original values : 352
Estimated values (Flag e) : 13
Missing values (Flag m) : 0

Comments : A secondary Der flood peak enhanced by local runoff

River Jubba at Bardheere 1966

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	85.0	33.1	45.1	61.7	430.9	207.4	143.9e	181.6e	341.7e	284.4	383.6	200.1
2	81.7	32.4	40.1	58.7	459.0	214.2	136.6e	206.1e	361.4e	284.5	394.4	192.6
3	78.7	31.2	36.4	51.4	468.6	209.6	131.7e	222.9e	390.1e	263.1	391.2	178.8
4	75.0	30.2	34.3	47.7	476.2	195.1	128.1e	223.6e	410.3e	240.4	391.1	164.7
5	73.0	30.1	31.7	45.9	462.7	184.9	122.0e	217.0e	421.5e	221.3	361.8	154.3
6	69.9	30.1	31.1	55.7	433.9e	191.9	113.3e	204.4e	404.1e	205.0	354.8	144.9
7	67.7	30.1	37.0	84.2	386.5e	198.1	106.0e	190.1e	380.9e	194.5	412.6	136.0
8	65.2	29.4	44.0	63.0	338.0e	205.2	103.3e	186.2e	378.2e	180.4	365.9	129.2
9	63.1	28.7	45.8	49.3	286.7e	209.4	102.2e	188.0e	380.4e	168.8	344.5	123.5
10	61.9	28.0	48.1	41.7	233.1	212.7	99.4e	186.0e	370.3e	156.8	326.9	116.6
11	60.1	27.9	62.0	42.8	215.6	206.9	94.0e	179.0e	347.0e	148.0	312.7	110.0
12	59.3	27.3	65.5	66.5	213.6	196.4	88.5e	169.3e	335.0e	146.3	302.6	106.2
13	57.1	26.6	73.3	119.4	222.4	183.1	95.8e	158.9e	353.0e	159.1	299.4	101.4
14	54.6	25.7	70.1	127.3	181.5	170.7	112.2e	142.4e	372.4e	183.1	291.3	96.9
15	51.9	25.2	65.7	84.2	160.1	164.3	120.3e	123.6e	380.9e	178.4	281.3	93.0
16	51.2	25.2	61.0	81.6	138.6	164.1	119.8e	114.6e	376.0e	165.7	274.1	87.6
17	49.5	24.7	55.3	83.9	135.1	164.1	123.8e	116.7e	370.3e	158.6	259.5	80.6
18	46.9	24.3	51.8	73.1	142.4	164.6	134.3e	148.0e	386.9e	154.2	242.3	72.6
19	45.0	23.3	48.6	68.1	153.0	183.6	143.0e	165.5e	410.8e	156.8	227.6	77.8
20	44.0	23.3	45.5	70.7	172.2	190.9	161.5e	160.9e	408.5e	169.4	211.2	76.4
21	43.2	24.3	47.5	72.2	226.2	190.5	200.6e	155.7e	384.4e	194.3	197.6	73.2
22	42.7	27.2	72.9	67.5	228.1	185.3	217.4e	160.4e	354.1e	154.2	188.8	70.4
23	42.0	33.1	75.7	87.9	210.0	184.0	214.0e	196.2e	324.7e	220.8	190.3	68.3
24	40.7	45.1	81.0	244.2	190.5	183.2	205.9e	244.2e	303.6e	298.1	219.9	65.7
25	39.8	48.2	77.1	286.5	182.7	181.5	192.5e	268.6e	290.2e	332.7	234.2	62.6
26	37.9	51.0	81.9	284.8	176.3	179.1	184.8e	277.3e	281.3e	362.8	236.0	60.9
27	36.9	50.7	82.4	322.2	181.7	178.9	179.1e	283.9e	286.4e	390.9	228.6	59.0
28	35.9	48.6	95.6	350.5	184.5	182.1	167.3e	285.4e	292.1e	443.6	221.7	57.0
29	35.0		81.5	389.9	180.2	159.9e	160.8e	319.8e	298.8e	539.4	217.7	55.1
30	33.6		74.1	415.7	179.6	150.8e	162.4e	348.7e	297.4e	547.6	208.2	53.7
31	33.1		66.5		195.8		172.6e	354.6e		417.2		52.2
Mean	53.6	31.6	59.0	129.9	253.1	186.4	143.1	205.8	356.4	249.0	285.7	100.7
Maximum	85.0	51.0	95.6	415.7	476.2	214.2	217.4	354.6	421.5	547.6	412.6	200.1
Minimum	33.1	23.3	31.1	41.7	135.1	150.8	88.5	114.6	281.3	146.3	188.8	52.2
Total	144	76	158	337	678	483	383	551	924	667	741	270

(Total flows in million cubic metres per month)

Annual statistics

Mean : 171.6 (cubic metres per second)
Maximum : 547.6 (cubic metres per second)
Minimum : 23.3 (cubic metres per second)
Total : 5412 (million cubic metres)

Data availability

Original values : 267
Estimated values (Flag e) : 98
Missing values (Flag m) : 0

Comments : Deterioration in data quality; July-September presumed erroneous

River Jubba at Bardheere 1967

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	50.7	21.4	19.9e	19.6	152.4	160.0	124.8e	295.4	272.4	265.7e	m	m
2	49.5	20.8	19.9e	19.6	95.9	145.0	135.0e	297.4	254.5	273.8e	m	m
3	48.5	20.2	19.9e	25.2	111.0	132.2	134.0e	293.0	247.1	278.4e	m	m
4	47.6	20.2e	19.9e	32.9	130.2	126.4	136.0e	282.1	238.0	274.1e	m	m
5	47.1	20.2e	19.9e	25.4	161.8	122.8	144.5e	265.9	225.4	263.8e	m	m
6	45.9	20.2e	19.9e	41.6	166.7	113.3	168.1e	284.7	228.8	246.5e	m	m
7	44.5	20.2e	19.9e	28.6	301.5	110.8	190.8e	342.4	239.0	244.2e	m	m
8	42.4	20.2e	19.9e	22.0	244.2	109.9	200.1e	437.5	243.6	312.0e	m	m
9	41.5	20.2e	19.9e	19.9	262.7	113.2	193.8e	489.6	254.1	525.4e	m	m
10	39.9	20.2e	19.8e	19.6	408.1	105.7e	180.5e	499.4	275.3	691.9e	m	m
11	38.6	20.2e	19.8e	19.6	286.3	94.1e	167.9e	482.7	289.8	793.7e	m	m
12	37.1	20.1e	19.8e	28.9	228.7	86.5e	154.7e	462.2	283.2	853.8e	m	m
13	35.9	20.1e	19.8e	61.0	225.0	82.9e	144.0e	417.4	276.6	887.3e	m	m
14	35.0	20.1e	19.8e	59.3	265.6	76.5e	136.6e	411.9	307.9	913.5e	m	m
15	33.6	20.1e	19.8e	67.8	317.0	70.9e	131.3e	413.9	383.3	947.1e	m	m
16	32.7	20.1e	19.8e	97.1	339.2	67.9e	128.1e	396.2	429.7	968.3e	m	m
17	31.6	20.1e	19.8e	73.2	331.2	66.1e	130.5e	363.0	457.1	m	m	m
18	30.6	20.1e	19.8e	63.9	298.9	63.3e	135.3e	333.5	436.8	m	m	m
19	29.8	20.1e	19.7e	67.6	280.9	60.0e	137.0	305.1	391.9	m	m	m
20	29.1	20.0e	19.7e	55.3	298.9	59.1e	139.7	292.8	346.0	m	m	m
21	28.4	20.0e	19.7e	58.4	310.2	61.3e	138.6	272.9	307.5	m	m	m
22	27.9	20.0e	19.7e	80.3	270.2	64.0e	137.3	249.4	282.9	m	m	m
23	27.0	20.0e	19.7e	128.2	255.3	61.0e	142.4	244.6	270.5	m	m	m
24	26.3	20.0e	19.7e	123.2	242.2	58.1e	140.3	235.2	251.5	m	m	m
25	25.6	20.0e	19.7e	206.1	244.3	61.2e	134.6	231.1	245.5	m	m	m
26	24.6	20.0e	19.7e	168.2	247.8	68.4e	136.6	234.8	247.9	m	m	m
27	24.0	20.0e	19.6e	145.1	229.3	77.0e	161.2	242.8	244.4	m	m	m
28	23.1	20.0e	19.6e	145.0	210.2	75.8e	218.9	264.2	244.4	m	m	m
29	22.7		19.6e	137.6	195.5	74.2e	249.7	276.1	248.2	m	m	m
30	22.4		19.6e	161.9	194.6	95.8e	287.4	292.6	258.2	m	m	m
31	21.7		19.6e		181.8		290.7	287.1		m		m
Mean	34.4	20.2	19.8	73.4	241.5	88.8	162.9	328.9	289.4	-	-	-
Maximum	50.7	21.4	19.9	206.1	408.1	160.0	290.7	499.4	457.1	-	-	-
Minimum	21.7	20.0	19.6	19.6	95.9	58.1	124.8	231.1	225.4	-	-	-
Total	92	49	53	190	647	230	436	881	750	-	-	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	178
Estimated values (Flag e)	:	111
Missing values (Flag m)	:	76

Comments : No data available for any Jubba station from October

River Jubba at Bardheere 1968

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	m	m	m	m	m	m	m	m	m
2	m	m	m	m	m	m	m	m	m	m	m	m
3	m	m	m	m	m	m	m	m	m	m	m	m
4	m	m	m	m	m	m	m	m	m	m	m	m
5	m	m	m	m	m	m	m	m	m	m	m	m
6	m	m	m	m	m	m	m	m	m	m	m	m
7	m	m	m	m	m	m	m	m	m	m	m	m
8	m	m	m	m	m	m	m	m	m	m	m	m
9	m	m	m	m	m	m	m	m	m	m	m	m
10	m	m	m	m	m	m	m	m	m	m	m	m
11	m	m	m	m	m	m	m	m	m	m	m	m
12	m	m	m	m	m	m	m	m	m	m	m	m
13	m	m	m	m	m	m	m	m	m	m	m	m
14	m	m	m	m	m	m	m	m	m	m	m	m
15	m	m	m	m	m	m	m	m	m	m	m	m
16	m	m	m	m	m	m	m	m	m	m	m	m
17	m	m	m	m	m	m	m	m	m	m	m	m
18	m	m	m	m	m	m	m	m	m	m	m	m
19	m	m	m	m	m	m	m	m	m	m	m	m
20	m	m	m	m	m	m	m	m	m	m	m	m
21	m	m	m	m	m	m	m	m	m	m	m	m
22	m	m	m	m	m	m	m	m	m	m	m	m
23	m	m	m	m	m	m	m	m	m	m	m	m
24	m	m	m	m	m	m	m	m	m	m	m	m
25	m	m	m	m	m	m	m	m	m	m	m	m
26	m	m	m	m	m	m	m	m	m	m	m	m
27	m	m	m	m	m	m	m	m	m	m	m	m
28	m	m	m	m	m	m	m	m	m	m	m	m
29	m	m	m	m	m	m	m	m	m	m	m	m
30	m		m	m	m	m	m	m	m	m	m	m
31	m		m		m		m	m		m		m
Mean	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	-	-	-	-	-	-	-	-	-	-	-	-
Minimum	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	0
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	366

Comments : No data available for any Jubba station for this year

River Jubba at Bardheere 1969

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	m	m	m	m	m	m	m	262.9	79.6e
2	m	m	m	m	m	m	m	m	m	m	255.6	78.5e
3	m	m	m	m	m	m	m	m	m	m	219.8	78.5e
4	m	m	m	m	m	m	m	m	m	m	223.3	75.0e
5	m	m	m	m	m	m	m	m	m	185.7	226.1e	76.3e
6	m	m	m	m	m	m	m	m	m	175.3	229.9e	73.1
7	m	m	m	m	m	m	m	m	m	171.1	254.9e	71.5
8	m	m	m	m	m	m	m	m	m	195.5	264.7e	68.3
9	m	m	m	m	m	m	m	m	m	314.1	262.2e	58.0
10	m	m	m	m	m	m	m	m	m	239.8	257.2e	56.0
11	m	m	m	m	m	m	m	m	m	190.9	258.1e	54.7
12	m	m	m	m	m	m	m	m	m	191.9	260.2e	55.4
13	m	m	m	m	m	m	m	m	m	196.2	252.9e	55.0
14	m	m	m	m	m	m	m	m	m	215.7	240.9e	53.6
15	m	m	m	m	m	m	m	m	m	234.9	225.5e	51.8
16	m	m	m	m	m	m	m	m	m	221.9	209.1e	49.5
17	m	m	m	m	m	m	m	m	m	296.6	197.1e	47.7
18	m	m	m	m	m	m	m	m	m	341.0	190.6e	46.6
19	m	m	m	m	m	m	m	m	m	321.4	185.3e	44.1
20	m	m	m	m	m	m	m	m	m	354.5	177.9e	41.6
21	m	m	m	m	m	m	m	m	m	267.1	163.8e	39.5
22	m	m	m	m	m	m	m	m	m	252.5	145.3e	39.0
23	m	m	m	m	m	m	m	m	m	259.6	134.1e	37.8
24	m	m	m	m	m	m	m	m	m	245.0	125.6e	37.0
25	m	m	m	m	m	m	m	m	m	213.7	109.3e	37.0
26	m	m	m	m	m	m	m	m	m	197.2	98.7e	37.0
27	m	m	m	m	m	m	m	m	m	206.7	93.8e	36.9
28	m	m	m	m	m	m	m	m	m	208.8	90.3e	35.8
29	m		m	m	m	m	m	m	m	232.4	86.7e	33.4
30	m		m	m	m	m	m	m	m	334.0	83.2e	28.4
31	m		m		m		m	m		286.9		27.0
Mean	-	-	-	-	-	-	-	-	-	242.6	192.8	51.7
Maximum	-	-	-	-	-	-	-	-	-	-	264.7	79.6
Minimum	-	-	-	-	-	-	-	-	-	-	83.2	27.0
Total	-	-	-	-	-	-	-	-	-	-	500	139

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	57
Estimated values (Flag e)	:	31
Missing values (Flag m)	:	277

Comments : No data available for any Jubba station until October

River Jubba at Bardheere 1970

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	26.3	44.7	7.9e	122.8	444.3	182.7	182.5	168.2	377.7	389.2	911.8	154.1
2	25.6	64.7	7.9e	124.5	374.4	163.6	168.3	160.8	371.7	393.7	935.3	144.8
3	25.1	69.7	7.9e	123.1	348.7	160.2	160.2	152.0	344.1	414.6	960.4	134.8
4	23.2	70.3	7.9e	141.7	368.6	157.5	154.2	152.2	352.8	461.8	980.7	123.5
5	22.6	67.2	7.9e	142.7	340.3	171.0	147.6	138.8	357.2	498.6	999.0	117.0
6	21.2	64.1	7.9e	135.3	308.5	188.3	153.1	133.3	352.6	501.7	1027.4	107.5
7	19.9	62.9	7.9e	128.6	271.7	182.6	146.7	130.6	327.1	473.4	1048.7	100.4
8	18.8	60.1	7.9e	121.3	273.6	172.9	148.0	127.4	291.5	443.3	1049.8	99.9
9	17.6	58.0	7.9e	115.4	283.2	167.2	165.5	137.6	279.9	436.7	915.3	97.3
10	16.5	54.7	7.9e	138.9	283.2	171.0	168.0	178.5	282.2	395.6	750.1	94.6
11	15.4	51.2	7.9e	182.0	308.6	174.8	167.3	219.9	286.2	352.2	690.1	90.9
12	14.2	45.6	7.9e	139.1	323.9	180.0	165.1	219.9	300.1	327.3	630.9	87.2
13	13.4	41.3	8.2e	97.9	377.3	177.4	162.8	201.9	291.4	359.6	579.1	83.9
14	12.5	37.9	8.4e	98.4	436.2	172.6	182.0	189.7	279.4	493.2	517.0	81.3
15	11.9	34.7	8.4e	137.7	432.1	170.1	192.9	175.9	280.2	524.6	460.9	78.2
16	11.1	32.3	8.8e	147.2	387.1	174.1	184.8	163.5	308.0	523.3	408.6	75.9
17	10.8	29.6	9.2e	153.3	350.6	170.6	170.5	162.0	332.2	522.7	359.3	73.7
18	10.4	26.1	9.5e	125.4	316.3	172.8	154.9	167.0	343.0	522.6	327.0	71.2
19	9.9	23.4	9.9e	115.7	277.0	172.0	142.3	173.5	361.4	532.6	302.4	68.5
20	9.3	20.9	10.7e	118.1	282.0	164.1	131.0	191.5e	405.9	538.2	278.0	66.7
21	8.7	18.3	13.6e	117.7	330.4	150.0	124.2	229.9e	422.7	539.8	258.1	63.0
22	7.2e	16.2	14.1e	128.8	349.7	138.3	117.5	257.6e	384.9	510.0	241.2	61.0
23	6.1e	14.5	88.4	218.0	305.4	129.4	122.6	245.5e	374.0	491.6	227.5	59.0
24	4.9e	13.0	133.1	323.6	289.4	125.0	138.5	227.7e	364.1	492.9	213.4	57.0
25	7.2e	11.7	202.8	389.2	277.8	138.9	146.2	250.7e	354.7	550.8	202.2	55.1
26	11.8e	10.8	227.8	401.5	261.6	150.7	171.6	272.0e	377.7	665.4	190.7	53.4
27	12.7	9.8	204.9	406.4	245.9	156.5	181.6	274.8e	428.0	826.6	182.9	52.4
28	15.3	8.9	179.2	397.9	229.9	173.0	181.6	294.1e	442.1	929.2	177.4	51.1
29	19.3		157.8	385.4	218.0	196.3	176.4	305.7e	417.3	981.1	170.4	48.5
30	23.9		138.2	442.6	205.4	192.9	166.3	312.4e	395.9	919.5	162.3	47.1
31	28.8		126.0		182.2		162.5	356.5e		911.7		47.1
Mean	15.5	38.0	53.3	194.0	312.4	166.5	159.2	205.5	349.5	545.9	538.6	82.1
Maximum	28.8	70.3	227.8	442.6	444.3	196.3	192.9	356.5	442.1	981.1	1049.8	154.1
Minimum	4.9	8.9	7.9	97.9	182.2	125.0	117.5	127.4	279.4	327.3	162.3	47.1
Total	42	92	143	503	837	432	427	550	906	1462	1396	220

(Total flows in million cubic metres per month)

Annual statistics

Mean : 222.2 (cubic metres per second)
Maximum : 1049.8 (cubic metres per second)
Minimum : 4.9 (cubic metres per second)
Total : 7009 (million cubic metres)

Data availability

Original values : 326
Estimated values (Flag e) : 39
Missing values (Flag m) : 0

Comments : The third highest Der flood on record

River Jubba at Bardheere 1971

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	45.8e	20.5e	10.4e	5.3e	101.6	201.1	153.2	174.5	220.3	184.4	821.9	278.3
2	44.0e	20.7e	10.1e	5.2	85.7	193.5	145.2	172.3	212.5	202.9	838.5	259.1
3	42.1e	20.8e	9.9e	4.4	68.6	182.7	143.2	161.9	205.3	221.6	854.1	240.3
4	40.6e	20.4e	9.6e	5.3	68.9	170.6	151.5	157.4	235.4	245.1	798.5	217.9
5	39.3e	19.8e	9.4e	6.4	68.7	154.0	171.8	160.4	264.9	265.8	707.0	206.3
6	37.7e	19.2e	9.2e	8.0	71.1	157.5	188.2	153.9	286.2	288.8	649.6	192.2
7	36.7e	18.7e	9.0e	8.6	71.3	153.0	190.9	156.9	290.9	313.4	665.1	191.1
8	36.0e	18.2e	8.7e	10.0	74.5	148.8	193.7	157.3	267.3	365.7	655.4	185.3
9	35.0e	17.7e	8.5e	12.1	79.1	155.2	196.2	160.6	243.0	405.2	578.2	182.1
10	34.2e	17.2e	8.3e	14.0	95.9	162.0	187.2	163.8	231.4	444.3	487.9	175.2
11	32.8e	16.7e	8.2e	19.6	269.6	161.1	176.7	158.1	230.6	477.2	442.7	169.8
12	31.8e	16.3e	8.0e	26.2	218.1	157.1	170.0	154.6	261.0	508.2	403.2	161.1
13	31.1e	15.8e	7.8e	40.9	211.0	155.2	175.0	152.3	241.8	612.1	379.8	148.4
14	30.4e	15.4e	7.6e	57.1	290.1	152.1	188.7	168.6	219.9	741.2	357.8	142.5
15	30.1e	15.0e	7.4e	61.8	316.0	157.9	216.9	201.7	211.0	757.0	329.8	135.9
16	30.1e	14.6e	7.3e	66.4	264.9	156.9	232.6	202.6	208.5	706.8	320.5	129.0
17	30.1e	14.2e	7.1e	67.9	243.2	157.2	252.6	193.4	203.0	635.8	326.9	120.4
18	30.0e	13.8e	7.0e	65.6	224.4	168.5	263.8	185.2	205.6	580.0	350.4	115.1
19	29.5e	13.5e	6.8e	59.8	220.8	180.7	272.3	186.6	225.3	544.0	380.2	109.0
20	28.1e	13.1e	6.7e	57.7	234.1	168.4	275.6	196.1	235.6	552.4e	414.9	101.0
21	26.7e	12.8e	6.5e	72.1	241.4	151.6	279.5	189.9	241.5	542.7e	447.1	95.0
22	25.3e	12.4e	6.4e	79.7	210.9	134.9	276.0	190.3	247.2	560.7e	449.8	88.9
23	24.0e	12.1e	6.3e	85.7	187.3	122.3	258.1	191.3	235.1	574.2e	440.5	84.7
24	23.5e	11.8e	6.2e	81.8	177.3	113.5	243.7	189.0	225.7	626.7e	425.6	81.0
25	22.8e	11.5e	6.0e	93.4	184.0	110.2	223.9	191.2	208.1	656.5e	398.0	77.2
26	22.0e	11.2e	5.9e	102.2	234.1	109.4	209.0	194.6	194.3	444.9	361.2	75.8
27	21.5e	10.9e	5.8e	109.0	265.4	119.0	213.8	208.9	188.7	460.7	338.5	74.9
28	21.0e	10.6e	5.7e	158.4	257.1	124.7	205.6	216.6	189.4	618.0	316.8	73.5
29	20.4e		5.6e	212.4	231.4	143.0	201.7e	225.4	182.1	759.4	310.4	70.5
30	20.2e		5.5e	132.3	215.4	155.4	187.5e	228.7	179.3	797.8	303.2	67.4
31	20.3e		5.4e		199.2		186.8	221.0e		817.6		66.1
Mean	30.4	15.5	7.5	57.6	183.3	152.6	207.4	182.8	226.4	513.3	485.1	139.2
Maximum	45.8	20.8	10.4	212.4	316.0	201.1	279.5	228.7	290.9	817.6	854.1	278.3
Minimum	20.2	10.6	5.4	4.4	68.6	109.4	143.2	152.3	179.3	184.4	303.2	66.1
Total	81	38	20	149	491	395	556	489	587	1375	1257	373

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	184.3	(cubic metres per second)
Maximum	:	854.1	(cubic metres per second)
Minimum	:	4.4	(cubic metres per second)
Total	:	5812	(million cubic metres)

Data availability

Original values	:	265
Estimated values (Flag e)	:	100
Missing values (Flag m)	:	0

Comments : An average year overall, but most of the flow occurred in the Der season

River Jubba at Bardheere 1972

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	63.5	33.6	50.7	52.7	432.4e	465.2e	156.3	196.4	292.8	194.6	537.4e	357.5e
2	61.8	32.3	48.5	53.2	418.0e	398.2e	163.3	200.7	291.5	203.9	558.2e	325.3e
3	58.3	30.5	44.7	50.8	408.7e	369.9e	157.1	207.7	268.1	209.2	448.1e	300.5e
4	56.1	29.5	41.2	51.1	457.8e	367.7e	154.8	202.2	238.3	212.9	321.2e	279.3e
5	56.4	29.4	37.5	52.7	497.1e	358.9e	152.4	198.6	224.7	215.0	279.0e	260.6e
6	58.7	30.0	34.0	49.5	506.8e	341.7e	154.5	193.8	230.3	223.7	345.0e	244.4e
7	58.1	29.7	31.3	44.3	487.0e	332.2e	164.4	191.0	235.7	243.3	430.6e	229.7e
8	58.8	28.8	28.2	40.6	493.7e	332.5e	172.2	190.9	241.9	427.1	441.0e	214.3e
9	59.9	28.4	25.7	34.0	487.3	357.4e	179.4	192.6	246.9	533.3	401.6e	200.6e
10	59.4	28.0	23.7	30.6	376.6	340.8e	188.2	197.7	247.1	472.3	373.1e	190.6e
11	57.7	27.7	24.6	27.8	314.8	321.0e	225.2	202.7	247.1	462.7	408.5e	180.5e
12	57.4	27.3	27.9	24.8	308.3	295.6e	328.7	201.3	253.5	469.7	428.9e	172.7e
13	55.4	26.9	32.0	24.6	297.2	280.8e	372.3	206.4	255.6	440.1	500.9e	165.3e
14	51.1	25.7	34.5	23.7	265.8	264.5e	343.0	214.9	251.0	346.8	463.1e	155.0e
15	48.2	25.2	34.7	22.4	238.4	246.3e	313.9	238.0	248.2	331.5	447.8e	147.3e
16	48.0	25.5	33.8	21.5	211.7	227.6e	278.9	285.1	244.4	320.1	415.5e	140.5e
17	48.0	25.6	34.2	21.9	188.5	212.2e	257.8	302.7	237.8	318.1	377.2e	133.8e
18	48.0	25.3	34.6	24.0e	166.8	201.2e	241.8	283.6	234.3	315.3	387.0e	127.0e
19	48.0	27.1	27.7	28.6e	152.7	191.4e	238.2	279.9	235.1	289.6	433.9e	120.5e
20	48.0	33.8	27.8	46.1e	143.5	186.9e	221.9	261.3	220.4	243.3	472.4e	114.9e
21	48.0	53.0	25.8	73.9e	141.1	185.6e	208.2	257.6	208.6	247.5	457.0e	109.8e
22	47.9	70.5	24.2	130.7e	149.6	184.1e	192.6	223.8	202.1	243.5	420.9e	104.5e
23	45.5	69.6	22.2	184.7e	269.8	166.4e	186.5	217.9	198.7	237.8	386.4e	99.0e
24	40.9	65.8	20.5	220.3e	351.6	146.3e	177.7	251.2	196.1	234.6	371.2e	94.2e
25	37.9	64.4	18.5	229.6e	345.1	135.4e	170.7	270.6	192.0	255.4	355.4e	89.5e
26	36.3	60.6	15.8	231.6e	201.9	148.0e	162.4	284.0	185.1	256.9	340.9e	84.9e
27	36.9	56.6	15.2	242.8e	188.1	161.8e	170.2	310.5	175.9	254.3	354.9e	80.5e
28	37.0	53.2	14.5	269.5e	372.5	164.3e	177.6	331.8	168.6	249.5	397.5e	76.6e
29	36.6	50.9	16.4	291.4e	410.6	158.8e	182.3	297.8	166.5	249.9	408.6e	73.1e
30	36.1		21.2	368.2e	414.3	157.2e	187.6	283.4	180.3	256.1e	386.7e	69.8e
31	35.1		33.7		423.1		190.0	278.9		350.3e		67.4e
Mean	49.6	38.4	29.2	98.9	326.5	256.7	208.7	240.5	227.3	300.3	411.7	161.6
Maximum	63.5	70.5	50.7	368.2	506.8	465.2	372.3	331.8	292.8	533.3	558.2	357.5
Minimum	35.1	25.2	14.5	21.5	141.1	135.4	152.4	190.9	166.5	194.6	279.0	67.4
Total	133	96	78	256	874	665	559	644	589	804	1067	433

(Total flows in million cubic metres per month)

Annual statistics

Mean : 196.1 (cubic metres per second)
Maximum : 558.2 (cubic metres per second)
Minimum : 14.5 (cubic metres per second)
Total : 6200 (million cubic metres)

Data availability

Original values : 252
Estimated values (Flag e) : 114
Missing values (Flag m) : 0

Comments : This year saw a general drop in the quality and availability of the original data

River Jubba at Bardheere 1973

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	66.1	29.1	12.9e	6.8e	48.9e	170.3e	99.1e	276.6e	419.3e	329.9e	388.7e	147.8e
2	64.5	28.3	12.6e	6.5e	53.4e	171.9e	95.4e	273.2e	425.0e	333.6e	402.0e	140.1e
3	61.9	26.1	12.9e	6.4e	84.7e	170.7e	92.2e	253.2e	399.7e	337.3e	402.5e	125.1e
4	57.3	24.3	13.2e	6.2e	166.9e	162.2e	95.3e	235.9e	367.1e	338.7e	384.6e	112.0e
5	54.7	23.0	12.9e	5.9e	153.8e	132.4e	97.9e	213.8e	339.0e	330.0e	358.9e	101.0e
6	54.0	21.8	12.6e	5.6e	105.2e	118.2e	97.8e	197.1e	317.8e	329.5e	338.9e	91.6e
7	51.7	20.8	12.6e	5.3e	81.8e	108.0e	95.9e	165.9e	304.1e	325.8e	323.6e	80.6
8	47.1	20.2	12.3e	5.2e	59.7e	96.1e	93.0e	143.7e	303.0e	314.1e	308.1e	77.3
9	42.7	19.9	11.9e	5.2e	44.7e	87.0e	90.6e	150.9e	326.1e	310.8e	289.3e	73.3
10	43.2	18.8	11.7e	5.3e	39.1e	86.2e	90.4e	199.7e	347.6e	322.1e	271.4e	70.0
11	42.0	17.9	11.3e	5.3e	38.1e	86.5e	91.2e	221.1e	358.4e	334.2e	257.6e	69.3
12	41.1	17.6	11.1e	5.3e	40.3e	84.9e	89.0e	228.6e	355.2e	355.1e	247.0e	68.2
13	39.1	17.3	11.2e	5.4e	38.1e	88.2e	89.7e	237.5e	339.7e	362.8e	241.7e	67.6
14	37.5	17.0	11.3e	5.6e	34.5e	90.8e	87.9e	240.0e	325.8e	366.4e	236.8e	65.7
15	37.3	16.5	11.1e	5.7e	32.8e	89.1e	90.5e	239.1e	314.9e	383.5e	229.7e	62.0
16	37.4	16.2	11.1e	5.6e	32.5e	84.6e	96.8e	237.5e	308.9e	414.3e	226.9e	57.6
17	36.2	16.4	10.9e	5.9e	31.8e	78.5e	94.7e	234.9e	305.6e	475.1e	226.4e	54.7
18	36.1	15.7e	10.6e	6.6e	31.1e	72.4e	82.7e	232.2e	295.8e	525.4e	222.4e	51.8
19	35.4	15.2e	10.4e	6.6e	32.8e	71.1e	76.6e	241.2e	277.4e	588.1e	217.1e	49.2
20	34.7	15.2e	10.3e	7.4e	46.0e	75.5e	76.6e	303.7e	261.3e	609.7e	215.8e	47.5
21	34.6	15.2e	10.1e	8.1e	50.8e	79.9e	77.8e	400.1e	251.8e	582.3e	211.5e	45.1
22	33.5	14.8e	9.7e	9.3e	53.9e	83.7e	80.5e	468.9e	247.6e	555.7e	205.9e	43.2
23	31.4	14.4e	9.4e	14.6e	67.7e	93.3e	87.3e	472.2e	248.9e	515.5e	196.4e	40.0
24	31.2	14.2e	9.0e	22.8e	90.5e	106.2e	108.8e	426.4e	257.3e	481.3e	185.3e	37.9
25	35.6	14.2e	8.8e	20.0e	106.4e	114.9e	148.9e	381.9e	270.8e	512.5e	174.4e	36.2
26	32.8	13.8e	8.5e	14.4e	113.9e	116.9e	178.0e	352.1e	278.3e	532.8e	169.3e	34.4
27	31.6	13.4e	8.2e	35.8e	112.1e	112.5e	220.1e	341.8e	280.4e	474.0e	169.6e	32.4
28	30.6	13.2e	7.9e	33.0e	110.1e	107.0e	237.4e	351.9e	284.4e	431.8e	170.1e	30.2
29	30.8		7.4e	28.9e	126.0e	103.8e	228.6e	386.8e	300.5e	391.8e	164.3e	29.4
30	30.5		7.1e	39.2e	152.5e	102.9e	225.7e	412.9e	319.7e	369.3e	154.9e	28.0
31	29.5		7.0e		164.7e		244.2e	413.1e		366.7e		25.5
Mean	41.0	18.2	10.6	11.5	75.6	104.9	118.1	288.2	314.4	416.1	253.0	64.3
Maximum	66.1	29.1	13.2	39.2	166.9	171.9	244.2	472.2	425.0	609.7	402.5	147.8
Minimum	29.5	13.2	7.0	5.2	31.1	71.1	76.6	143.7	247.6	310.8	154.9	25.5
Total	110	44	28	30	203	272	316	772	815	1115	656	172

(Total flows in million cubic metres per month)

Annual statistics

Mean : 143.7 (cubic metres per second)
Maximum : 609.7 (cubic metres per second)
Minimum : 5.2 (cubic metres per second)
Total : 4532 (million cubic metres)

Data availability

Original values : 73
Estimated values (Flag e) : 292
Missing values (Flag m) : 0

Comments : Most of the original data completely erroneous

River Jubba at Bardheere 1974

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	25.0e	24.1e	12.8	22.1e	61.3e	118.6e	91.1e	174.1e	149.2	282.2e	169.3e	87.4e
2	24.1e	25.0e	11.8	112.8e	53.0e	143.9e	88.0e	173.1e	156.8	302.7e	169.8e	85.8e
3	23.7e	25.7e	9.7	171.9e	50.2e	229.9e	88.3e	172.4e	169.3	306.9e	171.2e	82.4e
4	22.9e	26.2e	8.7	239.6e	49.0e	291.2e	94.3e	181.4e	180.0	304.1e	189.8e	77.8e
5	22.6e	26.6e	9.0	275.2e	45.3e	312.7e	107.9e	191.1e	203.3	304.7e	222.3e	75.5e
6	22.7e	27.1e	8.5	239.7e	41.5e	313.2e	127.4e	197.3e	263.1	303.3e	248.0e	71.9e
7	22.7e	27.5e	7.3	200.4e	38.7e	310.9e	135.8e	200.9e	291.0	294.8e	259.5e	69.1e
8	22.8e	27.6e	7.6	181.0e	37.6e	324.9e	133.6e	201.4e	329.2	282.1e	260.6e	66.3e
9	22.9e	27.9e	7.5	172.5e	41.3e	331.4e	126.2e	197.5e	343.2	262.3e	259.3e	64.8e
10	23.7e	28.0e	8.0	173.3e	54.7e	322.0e	112.2e	189.5e	360.4	249.5e	261.3e	63.1e
11	25.0e	23.2e	8.6	170.6e	55.5e	305.1e	111.1e	183.3e	455.6	240.4e	267.3e	60.0e
12	26.5e	20.9e	7.7	162.6e	60.9e	282.3e	119.0e	194.3e	500.0	236.2e	262.2e	57.9e
13	28.2e	21.1e	6.5	159.2e	64.2e	257.0e	131.7e	198.4e	463.7	231.5e	256.0e	56.0e
14	29.0e	21.6e	6.2	148.9e	59.5e	239.6e	143.7e	200.2e	403.1	236.7e	240.8e	53.7e
15	29.4e	22.0	7.1	142.1e	102.7e	215.3e	164.3e	209.7e	364.4	237.9e	220.9e	52.2e
16	27.2e	22.6	7.7	136.2e	184.9e	195.2e	189.6e	217.5e	331.4	228.9e	200.8e	50.1e
17	24.8e	22.4	8.4	127.0e	195.5e	180.3e	235.8e	274.9e	311.9	222.0e	183.1e	48.8e
18	23.6e	21.1	9.0	120.8e	152.9e	169.1e	326.3e	323.9e	295.5	208.6e	166.9e	47.8e
19	22.7e	20.2	8.2	116.0e	184.8e	156.7e	412.0e	313.4e	296.3e	192.8e	156.5e	48.2e
20	22.6e	18.6	7.5	108.5e	244.8e	140.0e	400.5e	283.7e	290.4e	180.9e	145.5e	47.6e
21	22.7e	17.8	7.2	100.5e	226.8e	129.4e	347.9e	257.4e	278.1e	172.7e	133.8e	45.2e
22	24.3e	17.1	7.5	97.8e	184.8e	124.5e	316.9e	238.2e	265.2e	166.6e	126.5e	43.9e
23	25.4e	17.5	8.6	98.6e	171.7e	120.0e	299.1e	218.5e	262.1e	160.9e	118.2e	42.9e
24	25.9e	16.1	8.1	96.2e	173.2e	114.5e	291.5e	186.7e	267.1e	155.0e	111.0e	41.8e
25	25.4e	15.7	7.0	95.4e	171.5e	110.4e	275.4e	164.1e	262.4e	147.5e	105.1e	40.5e
26	24.7e	16.5	7.1	94.3e	165.9e	108.5e	252.9e	159.7e	260.7e	143.4e	98.8e	39.4e
27	23.9e	15.3	7.0	93.3e	154.7e	103.6e	220.4e	151.1e	261.2e	146.4e	94.7e	38.5e
28	23.3e	14.2	15.8e	82.9e	146.9e	99.2e	191.8e	145.9e	260.6e	154.4e	93.3e	38.0e
29	23.4e		16.7e	73.1e	145.3e	97.0e	179.5e	153.0e	254.2e	165.1e	91.4e	37.1e
30	23.6e		16.5e	68.4e	139.2e	95.0e	174.0e	155.8e	257.2e	170.2e	89.2e	35.9e
31	23.8e		17.6e		129.5e		172.2e	152.0e		169.9e		35.5e
Mean	24.5	21.8	9.3	136.0	115.7	198.1	195.5	202.0	292.9	221.3	179.1	55.0
Maximum	29.4	28.0	17.6	275.2	244.8	331.4	412.0	323.9	500.0	306.9	267.3	87.4
Minimum	22.6	14.2	6.2	22.1	37.6	95.0	88.0	145.9	149.2	143.4	89.2	35.5
Total	66	53	25	353	310	513	524	541	759	593	464	147

(Total flows in million cubic metres per month)

Annual statistics

Mean : 137.8 (cubic metres per second)
Maximum : 500.0 (cubic metres per second)
Minimum : 6.2 (cubic metres per second)
Total : 4347 (million cubic metres)

Data availability

Original values : 59
Estimated values (Flag e) : 306
Missing values (Flag m) : 0

Comments : Limited amount of original data, and mostly erroneous

River Jubba at Bardheere 1975

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	34.7e	17.5e	12.7e	9.2e	140.9e	198.8e	187.4e	245.0e	343.0e	261.9e	442.8e	133.0e
2	33.2e	17.5e	12.6e	9.1e	174.9e	296.4e	187.2e	278.1e	344.0e	262.6e	411.1e	126.8e
3	33.1e	17.5e	12.6e	9.0e	170.7e	279.4e	187.9e	302.9e	354.3e	262.3e	372.9e	122.1e
4	32.5e	17.4e	12.6e	8.8e	149.7e	237.7e	198.4e	307.6e	345.2e	260.7e	341.2e	117.4e
5	31.2e	17.1e	12.6e	8.8e	132.8e	217.5e	203.3e	312.7e	331.8e	259.6e	310.7e	112.5e
6	29.8e	16.7e	12.6e	8.7e	126.8e	214.6e	206.9e	304.0e	320.4e	254.5e	285.3e	107.6e
7	29.1e	16.6e	13.0e	8.7e	185.5e	223.4e	215.4e	330.7e	315.2e	248.0e	264.7e	101.9e
8	28.7e	16.5e	13.1e	8.7e	135.7e	214.4e	217.3e	350.4e	323.9e	245.0e	250.3e	97.9e
9	28.0e	16.5e	13.0e	8.7e	92.6e	195.5e	212.1e	374.6e	344.9e	238.8e	257.5e	93.9e
10	26.8e	16.4e	12.9e	8.7e	89.6e	171.1e	204.3e	396.4e	372.2e	241.9e	254.7e	89.1e
11	26.4e	15.9e	12.7e	8.8e	104.8e	165.2e	198.4e	419.3e	394.7e	298.0e	260.9e	86.1e
12	25.7e	15.7e	12.1e	9.0e	96.6e	151.3e	196.9e	448.5e	406.5e	389.9e	262.0e	83.4e
13	24.8e	15.7e	11.7e	9.7e	76.2e	131.0e	193.3e	452.8e	407.2e	493.3e	241.2e	81.2e
14	23.9e	15.7e	11.3e	24.2e	71.8e	121.9e	183.1e	437.3e	400.9e	531.1e	225.1e	78.6e
15	23.4e	15.7e	11.1e	36.2e	76.0e	118.3e	175.5e	419.8e	385.8e	484.7e	226.4e	75.3e
16	23.3e	15.8e	10.9e	39.1e	74.8e	116.8e	172.4e	398.1e	369.2e	428.3e	235.1e	73.0e
17	22.9e	15.4e	10.8e	61.3e	66.9e	115.1e	167.3e	376.9e	350.4e	401.2e	238.7e	70.9e
18	22.5e	14.7e	10.5e	93.8e	59.4e	113.1e	160.0e	353.1e	341.4e	393.3e	237.5e	68.3e
19	22.2e	14.2e	10.3e	96.6e	59.7e	106.3e	158.7e	356.1e	337.7e	408.0e	232.9e	65.8e
20	22.0e	14.0e	10.2e	96.0e	65.4e	99.8e	163.9e	380.4e	348.9e	406.4e	225.2e	63.7e
21	21.5e	13.8e	10.1e	97.9e	88.7e	97.0e	161.4e	387.5e	358.6e	405.0e	218.7e	62.0e
22	20.7e	13.7e	10.1e	107.3e	130.7e	95.2e	156.4e	389.4e	324.4e	409.8e	216.6e	60.4e
23	20.2e	13.7e	10.0e	115.2e	139.9e	95.7e	159.2e	410.9e	294.5e	402.0e	212.0e	59.2e
24	19.6e	13.7e	9.9e	106.6e	144.4e	96.2e	181.0e	434.0e	276.9e	398.5e	202.4e	58.5e
25	19.1e	13.4e	9.8e	94.5e	151.1e	94.8e	220.1e	423.1e	269.6e	402.6e	190.6e	58.0e
26	18.6e	13.1e	9.5e	92.8e	145.7e	101.7e	235.8e	389.1e	261.4e	391.6e	179.3e	57.8e
27	18.4e	13.0e	9.4e	104.9e	133.2e	123.6e	231.7e	360.9e	253.7e	367.6e	169.1e	57.4e
28	18.1e	12.9e	9.2e	148.6e	126.9e	144.0e	231.6e	351.3e	253.3e	354.8e	158.6e	55.3e
29	18.0e		9.2e	145.0e	141.0e	157.9e	235.6e	353.5e	260.3e	351.1e	150.2e	53.4e
30	17.9e		9.2e	123.9e	128.0e	176.9e	233.2e	354.9e	262.3e	357.2e	140.8e	51.6e
31	17.6e		9.2e		112.3e		235.0e	350.1e		418.9e		49.7e
Mean	24.3	15.3	11.1	56.7	115.9	155.7	195.8	369.3	331.8	355.8	247.1	79.7
Maximum	34.7	17.5	13.1	148.6	185.5	296.4	235.8	452.8	407.2	531.1	442.8	133.0
Minimum	17.6	12.9	9.2	8.7	59.4	94.8	156.4	245.0	253.3	238.8	140.8	49.7
Total	65	37	30	147	310	404	525	989	860	953	641	214

(Total flows in million cubic metres per month)

Annual statistics

Mean : 164.1 (cubic metres per second)
Maximum : 531.1 (cubic metres per second)
Minimum : 8.7 (cubic metres per second)
Total : 5174 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data available; all values estimated

River Jubba at Bardheere 1976

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	47.8e	24.8e	16.6e	12.3e	76.6e	605.8e	137.7	190.2	175.2	157.7	261.2e	133.9
2	46.1e	24.1e	16.5e	12.3e	71.3e	552.9e	141.2	193.2	168.9	156.1	263.2e	129.1
3	44.2e	23.4e	16.5e	12.3e	75.2e	520.4e	137.2	180.2	166.4	160.4	314.6e	125.3
4	43.1e	22.5e	16.3e	12.3e	101.2e	498.4e	159.8	165.3	162.6	182.1	361.4e	114.9
5	42.3e	21.8e	16.1e	12.1e	109.5e	462.2e	184.0	167.9	155.6	193.7	468.7e	110.0
6	41.4e	21.6e	15.8e	11.9e	103.6e	418.8e	200.0	171.7	163.2	192.5	532.4e	107.5
7	40.0e	21.6e	15.7e	11.8e	95.8e	376.3e	193.0	174.3	158.1	190.8	466.4e	110.5
8	39.0e	21.2e	15.4e	11.7e	83.7e	339.9e	180.2	199.5	182.7	181.6	431.3e	113.0
9	38.1e	20.6e	15.3e	11.6e	78.6e	301.9e	163.5	240.1	211.4	172.3	391.1	110.0
10	37.4e	20.1e	15.7e	11.6e	93.5e	270.5e	151.1	218.6	217.6	157.6	359.6	107.2
11	37.0e	19.6e	16.0e	11.8e	310.8e	243.2e	177.8	200.2	209.4	151.5	376.6	108.0
12	35.8e	19.4e	16.1e	14.6e	651.9e	228.5e	157.6	189.0	222.4	156.0	385.3	106.5
13	34.7e	19.4e	16.1e	14.8e	593.7e	214.2e	176.2	184.2	221.0	179.4	368.6	100.5
14	33.8e	19.4e	16.1e	15.2e	459.8e	206.4e	185.3	178.5	221.0	188.4	340.4	95.4
15	32.9e	19.1e	16.1e	39.5e	399.9e	200.0e	183.1	185.1	212.7	206.9	316.8	81.0
16	32.5e	18.9e	15.8e	57.5e	353.5e	197.6e	175.3	185.3	221.8	226.4	340.1	79.4
17	32.5e	18.6e	15.8e	49.8e	339.9e	196.8e	168.2	183.1	248.3	222.8	392.7	72.4
18	32.5e	18.4e	15.8e	45.5e	427.4e	194.5e	175.0	184.9	249.9	215.7	415.5	70.0
19	32.5e	18.1e	15.8e	75.9e	592.7e	191.3e	191.7	185.2e	241.9	204.1	422.4	66.5
20	33.0e	17.6e	15.8e	110.9e	672.0e	190.2e	239.0	184.3e	234.0	196.7	367.0	61.9
21	33.7e	17.5e	16.0e	111.3e	797.1e	192.4e	250.1	181.2e	233.4	201.0	322.9	61.1
22	33.9e	17.4e	16.0e	110.3e	814.1e	186.2e	242.3	178.0e	217.3	197.2	303.0	57.9
23	33.0e	17.2e	15.9e	99.1e	715.3e	174.6e	248.3	182.0e	197.1	201.6	285.6	56.6
24	31.6e	17.1e	15.7e	72.2e	669.4e	160.3e	246.4	186.0e	192.6	202.6	260.2	57.2
25	30.2e	18.2e	14.7e	58.3e	779.4e	149.1e	241.0	183.0e	185.2	197.2	231.6	56.9
26	29.5e	18.9e	14.3e	56.7e	765.9e	141.6e	234.9	171.9e	183.7	206.4	220.9	53.5
27	28.6e	18.6e	15.1e	67.8e	647.9e	135.5e	227.4	168.7e	189.8	222.8	202.6	50.5
28	27.9e	18.1e	14.0e	73.5e	620.0e	129.5e	247.5	177.8e	181.2	235.3e	182.9	51.0
29	27.6e	17.2e	13.0e	67.7e	609.0e	126.9e	248.9	179.6e	187.2	245.3e	156.3	48.0
30	26.4e		12.7e	70.1e	600.1e	128.8e	222.3	175.4e	172.9	260.5e	140.1	44.4
31	25.5e		12.5e		626.4e		206.8	176.6e		267.2e		42.8
Mean	35.0	19.7	15.5	44.7	430.2	264.5	196.5	184.6	199.5	197.7	329.4	83.3
Maximum	47.8	24.8	16.6	111.3	814.1	605.8	250.1	240.1	249.9	267.2	532.4	133.9
Minimum	25.5	17.1	12.5	11.6	71.3	126.9	137.2	165.3	155.6	151.5	140.1	42.8
Total	94	49	41	116	1152	686	526	494	517	530	854	223

(Total flows in million cubic metres per month)

Annual statistics

Mean : 167.0 (cubic metres per second)
Maximum : 814.1 (cubic metres per second)
Minimum : 11.6 (cubic metres per second)
Total : 5282 (million cubic metres)

Data availability

Original values : 159
Estimated values (Flag e) : 207
Missing values (Flag m) : 0

Comments : Reasonable original data from July

River Jubba at Bardheere 1977

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	41.8e	61.4e	44.0e	23.4e	107.2e	347.1e	276.2e	268.1e	309.8e	399.1e	877.8e	623.9e
2	42.1e	56.8e	43.0e	21.4e	108.5e	349.2e	277.7e	263.3e	283.7e	366.6e	975.5e	659.1e
3	44.9e	50.1e	42.6e	21.0e	135.9e	379.0e	265.1e	257.8e	261.3e	335.8e	1163.2e	585.4e
4	48.1e	47.4e	41.5e	20.0e	350.0e	428.8e	255.5e	250.7e	250.2e	312.7e	1295.2e	529.1e
5	50.7e	49.2e	40.3e	19.4e	400.2e	481.5e	250.3e	243.6e	255.7e	293.1e	1332.0e	506.3e
6	50.4e	57.2e	38.8e	69.2e	302.8e	515.5e	235.8e	241.3e	296.2e	283.6e	1338.1e	475.0e
7	49.5e	74.7e	36.7e	296.5e	241.5e	518.0e	219.7e	243.5e	362.9e	283.0e	1517.1e	439.7e
8	47.1e	81.7e	34.0e	393.6e	239.3e	475.7e	207.3e	242.1e	384.6e	287.6e	1647.7e	408.5e
9	44.7e	80.1e	31.5e	346.6e	286.8e	463.1e	201.3e	238.2e	371.8e	294.3e	1720.3e	371.6e
10	42.9e	76.6e	29.9e	311.3e	629.8e	471.3e	196.6e	234.4e	352.5e	308.9e	1761.8e	336.4e
11	40.8e	73.9e	28.9e	386.5e	838.1e	454.1e	192.5e	240.3e	335.5e	341.6e	1739.8e	314.2e
12	39.6e	75.7e	28.5e	465.3e	555.5e	421.6e	199.9e	260.9e	316.8e	415.6e	1680.1e	284.8e
13	41.1e	80.1e	30.6e	475.2e	348.8e	394.2e	216.5e	264.2e	299.2e	481.5e	1569.5e	263.5e
14	45.0e	82.8e	32.7e	634.5e	401.9e	380.4e	233.0e	253.6e	309.9e	517.2e	1401.6e	253.6e
15	51.2e	80.3e	35.0e	614.9e	405.9e	376.0e	239.4e	248.2e	357.6e	587.0e	1248.9e	249.9e
16	55.8e	72.7e	37.7e	476.1e	370.3e	370.5e	251.0e	248.7e	407.6e	628.1e	1142.7e	244.0e
17	57.2e	65.2e	38.0e	475.0e	337.4e	359.6e	253.6e	247.8e	439.5e	648.6e	1051.9e	240.6e
18	52.9e	58.9e	36.3e	452.2e	300.2e	345.4e	252.2e	243.2e	438.0e	627.1e	945.2e	227.7e
19	49.2e	56.2e	34.5e	328.8e	272.1e	324.6e	252.6e	258.6e	418.3e	581.0e	823.0e	215.8e
20	47.9e	54.8e	31.6e	259.1e	248.9e	311.9e	254.5e	304.3e	396.9e	604.2e	714.9e	210.4e
21	47.3e	53.0e	29.9e	238.3e	231.5e	298.6e	265.4e	361.0e	399.9e	709.4e	616.8e	207.6e
22	44.6e	55.8e	29.0e	222.3e	214.8e	290.0e	270.8e	380.8e	403.1e	713.9e	555.0e	201.2e
23	42.1e	58.3e	28.4e	207.8e	194.4e	273.8e	269.1e	362.6e	402.4e	689.2e	569.0e	192.7e
24	41.5e	59.4e	27.9e	195.7e	180.9e	255.6e	257.5e	363.6e	416.6e	698.5e	537.7e	185.4e
25	41.2e	59.6e	27.6e	186.0e	180.8e	241.6e	247.8e	395.0e	464.8e	747.3e	629.8e	184.3e
26	42.0e	60.2e	26.0e	171.7e	200.9e	276.0e	245.4e	425.0e	503.8e	795.6e	854.7e	178.1e
27	45.3e	56.4e	24.2e	149.2e	229.3e	308.6e	246.6e	418.0e	512.9e	856.7e	814.2e	156.5e
28	51.6e	50.0e	23.0e	131.7e	257.8e	304.3e	250.4e	410.6e	499.2e	922.0e	651.9e	139.0e
29	59.1e		22.0e	126.5e	317.6e	291.8e	264.3e	396.0e	463.0e	922.5e	529.8e	130.9e
30	63.9e		23.6e	121.3e	407.6e	278.7e	274.4e	370.0e	427.5e	901.6e	529.6e	126.9e
31	64.0e		25.7e		383.5e		272.8e	339.4e		854.1e		116.9e
Mean	47.9	63.9	32.4	261.3	312.3	366.2	245.0	299.2	378.0	561.5	1074.5	298.7
Maximum	64.0	82.8	44.0	634.5	838.1	518.0	277.7	425.0	512.9	922.5	1761.8	659.1
Minimum	39.6	47.4	22.0	19.4	107.2	241.6	192.5	234.4	250.2	283.0	529.6	116.9
Total	128	155	87	677	836	949	656	801	980	1504	2785	800

(Total flows in million cubic metres per month)

Annual statistics

Mean : 328.5 (cubic metres per second)
Maximum : 1761.8 (cubic metres per second)
Minimum : 19.4 (cubic metres per second)
Total : 10359 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data available; all values estimated

River Jubba at Bardheere 1978

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	108.1e	68.5e	47.3e	200.4e	158.7e	174.8e	152.7e	386.3e	280.2e	214.6e	667.7e	336.8e
2	102.8e	68.2e	56.5e	196.9e	144.6e	164.4e	149.1e	380.2e	282.9e	233.7e	701.6e	346.9e
3	113.7e	66.1e	57.3e	177.9e	146.1e	174.0e	138.9e	365.6e	289.5e	281.7e	616.3e	324.8e
4	111.6e	62.8e	62.5e	163.8e	150.4e	175.0e	137.4e	342.8e	289.9e	312.4e	591.3e	301.9e
5	106.3e	59.4e	140.8e	153.4e	147.0e	170.6e	140.9e	322.7e	294.1e	329.9e	511.0e	289.8e
6	103.8e	56.9e	267.4e	140.0e	142.1e	163.1e	160.8e	310.7e	311.1e	347.5e	456.4e	279.0e
7	100.0e	53.7e	320.0e	123.1e	145.1e	149.1e	166.2e	317.2e	325.8e	379.4e	471.8e	268.3e
8	90.5e	51.8e	324.0e	109.0e	147.3e	141.5e	222.3e	340.6e	322.2e	422.9e	441.1e	251.8e
9	85.7e	49.9e	320.9e	111.3e	153.4e	135.2e	340.5e	343.4e	320.5e	430.1e	412.5e	236.1e
10	84.9e	48.5e	301.7e	119.2e	233.0e	129.5e	425.7e	341.1e	328.5e	427.0e	406.0e	219.4e
11	84.8e	47.9e	272.3e	147.0e	312.1e	129.5e	430.7e	350.1e	329.3e	436.7e	389.1e	201.3e
12	84.8e	46.5e	260.8e	191.3e	340.1e	124.3e	421.2e	360.7e	341.8e	438.6e	371.3e	174.5e
13	84.8e	45.3e	257.3e	195.6e	357.0e	115.3e	420.2e	375.9e	367.9e	429.2e	364.3e	150.1e
14	84.8e	44.1e	236.3e	187.4e	388.1e	108.8e	414.4e	405.1e	362.4e	453.6e	341.3e	137.2e
15	84.7e	43.4e	225.6e	161.7e	412.5e	104.3e	395.2e	453.0e	341.4e	529.4e	302.5e	124.4e
16	83.2e	42.4e	224.6e	145.2e	404.5e	100.1e	371.1e	486.2e	318.7e	641.9e	273.9e	112.5e
17	82.5e	41.2e	224.6e	140.0e	385.9e	97.9e	349.3e	468.2e	302.5e	731.7e	251.9e	109.9e
18	82.3e	40.2e	221.8e	134.7e	380.3e	96.0e	327.9e	428.8e	292.2e	764.7e	234.2e	124.9e
19	80.0e	39.6e	196.5e	132.2e	375.5e	96.1e	346.9e	399.2e	279.3e	781.7e	223.4e	128.3e
20	77.7e	38.9e	181.4e	128.1e	371.2e	100.9e	367.6e	382.7e	266.8e	799.5e	218.2e	126.1e
21	76.6e	38.7e	177.9e	119.9e	367.5e	105.7e	365.7e	369.5e	259.5e	802.0e	216.8e	121.0e
22	75.6e	38.0e	175.0e	109.5e	354.6e	104.4e	368.3e	353.7e	267.8e	799.9e	221.5e	116.7e
23	72.6e	35.9e	173.8e	107.7e	334.5e	103.1e	410.3e	352.7e	267.0e	805.8e	234.4e	116.7e
24	70.1e	34.8e	174.0e	116.2e	316.1e	107.6e	452.8e	368.8e	251.6e	809.1e	220.5e	118.4e
25	68.1e	34.7e	180.3e	121.9e	294.4e	113.9e	463.2e	375.5e	242.4e	806.9e	207.3e	120.3e
26	67.4e	34.2e	166.4e	122.0e	266.7e	117.4e	429.6e	370.3e	230.3e	801.2e	205.0e	122.1e
27	67.3e	33.5e	126.9e	121.0e	245.2e	123.5e	397.4e	361.5e	220.1e	799.1e	202.7e	121.8e
28	67.0e	36.4e	119.5e	159.0e	226.3e	130.6e	383.6e	342.3e	209.2e	802.4e	203.6e	117.9e
29	66.4e		133.6e	181.6e	207.8e	137.5e	374.3e	318.6e	198.9e	783.1e	237.4e	115.9e
30	65.9e		138.5e	179.1e	195.8e	145.9e	376.8e	298.9e	200.8e	679.2e	300.0e	113.2e
31	65.8e		159.5e		186.2e		381.9e	284.7e		613.3e		104.4e
Mean	83.9	46.5	191.1	146.5	267.4	128.0	331.7	366.4	286.5	577.0	349.8	178.5
Maximum	113.7	68.5	324.0	200.4	412.5	175.0	463.2	486.2	367.9	809.1	701.6	346.9
Minimum	65.8	33.5	47.3	107.7	142.1	96.0	137.4	284.7	198.9	214.6	202.7	104.4
Total	225	112	512	380	716	332	888	981	743	1546	907	478

(Total flows in million cubic metres per month)

Annual statistics

Mean : 248.0 (cubic metres per second)
Maximum : 809.1 (cubic metres per second)
Minimum : 33.5 (cubic metres per second)
Total : 7819 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data available; all values estimated

River Jubba at Bardheere 1979

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	99.5e	70.0e	78.4e	147.4e	173.3e	309.8e	196.3e	125.1e	130.5e	113.5e	311.4e	86.8e
2	85.5e	67.8e	75.7e	208.5e	169.6e	354.8e	192.4e	125.4e	122.6e	120.2e	306.9e	81.6e
3	86.9e	67.8e	83.1e	277.9e	166.6e	360.6e	188.2e	137.7e	114.8e	130.0e	294.5e	78.4e
4	88.2e	76.3e	83.2e	264.5e	160.7e	340.8e	182.0e	170.4e	108.8e	144.7e	285.3e	76.2e
5	86.5e	81.9e	84.4e	228.9e	150.2e	308.5e	175.8e	201.1e	104.2e	158.5e	277.0e	74.5e
6	86.1e	91.8e	81.9e	207.9e	141.7e	277.1e	171.9e	204.6e	100.0e	168.4e	276.1e	72.7e
7	84.8e	116.5e	76.2e	198.8e	134.5e	251.8e	168.9e	192.1e	96.5e	173.3e	272.6e	71.3e
8	79.9e	127.0e	70.3e	190.7e	127.0e	230.9e	167.0e	182.0e	92.7e	172.2e	247.4e	70.2e
9	75.8e	124.5e	64.9e	173.3e	120.2e	214.3e	168.2e	174.6e	89.2e	169.8e	234.4e	68.3e
10	72.4e	112.3e	60.3e	153.6e	126.9e	200.1e	170.5e	165.3e	86.6e	167.3e	222.0e	66.3e
11	69.7e	103.5e	56.6e	151.5e	195.8e	198.4e	169.6e	157.7e	85.2e	165.2e	206.1e	63.8e
12	68.2e	97.5e	53.8e	153.7e	325.6e	212.7e	166.8e	154.5e	87.9e	163.2e	194.2e	61.5e
13	67.4e	90.7e	51.3e	150.3e	365.1e	224.1e	164.3e	156.5e	94.7e	158.7e	192.6e	59.6e
14	65.9e	86.6e	48.4e	149.3e	284.6e	229.1e	162.2e	159.5e	99.9e	137.8e	199.8e	57.4e
15	66.0e	81.5e	46.0e	156.9e	214.3e	242.9e	159.6e	158.6e	101.0e	109.4e	195.6e	55.2e
16	63.0e	75.5e	47.5e	163.7e	177.3e	257.6e	155.5e	156.2e	98.9e	101.1e	177.8e	52.8e
17	60.0e	69.9e	54.6e	168.6e	183.5e	254.9e	149.6e	152.2e	94.0e	99.4e	171.8e	50.4e
18	58.3e	67.2e	63.1e	173.8e	201.6e	243.4e	143.8e	147.7e	88.9e	103.3e	167.8e	48.6e
19	57.1e	67.7e	68.0e	183.8e	193.6e	233.4e	139.2e	146.5e	92.9e	112.9e	159.9e	47.7e
20	56.2e	67.5e	65.4e	192.4e	179.3e	228.0e	133.9e	156.4e	107.7e	133.6e	148.7e	47.3e
21	55.1e	65.9e	56.1e	194.2e	195.4e	224.1e	127.0e	179.6e	121.9e	158.5e	139.1e	46.5e
22	55.4e	71.9e	47.3e	201.3e	227.4e	220.4e	120.9e	200.6e	123.0e	166.8e	131.1e	46.1e
23	57.1e	86.7e	41.5e	209.5e	245.2e	219.1e	117.6e	207.8e	118.3e	171.0e	124.5e	46.8e
24	59.9e	94.3e	38.7e	215.8e	246.8e	218.2e	117.0e	205.1e	113.5e	175.0e	118.0e	47.5e
25	71.2e	90.6e	45.9e	224.5e	236.9e	216.2e	117.5e	198.4e	109.3e	184.1e	111.6e	47.6e
26	83.1e	86.2e	65.6e	229.0e	231.5e	214.7e	124.5e	191.2e	106.7e	197.1e	106.3e	47.3e
27	90.2e	82.4e	85.9e	219.2e	212.3e	212.3e	144.1e	185.3e	104.7e	209.5e	101.9e	46.1e
28	91.4e	80.4e	98.6e	201.6e	172.6e	209.0e	152.2e	177.3e	102.1e	240.0e	97.6e	44.7e
29	89.0e		110.0e	185.0e	164.4e	205.3e	136.6e	165.0e	102.0e	276.7e	93.6e	43.0e
30	80.8e		122.0e	177.3e	184.0e	200.6e	130.6e	149.9e	106.5e	288.5e	90.9e	40.9e
31	74.2e		131.7e		238.1e		127.5e	138.8e		299.9e		39.2e
Mean	73.7	85.8	69.6	191.8	198.3	243.8	152.9	168.5	103.5	166.8	188.5	57.6
Maximum	99.5	127.0	131.7	277.9	365.1	360.6	196.3	207.8	130.5	299.9	311.4	86.8
Minimum	55.1	65.9	38.7	147.4	120.2	198.4	117.0	125.1	85.2	99.4	90.9	39.2
Total	197	208	186	497	531	632	410	451	268	447	489	154

(Total flows in million cubic metres per month)

Annual statistics

Mean : 141.7 (cubic metres per second)
Maximum : 365.1 (cubic metres per second)
Minimum : 38.7 (cubic metres per second)
Total : 4470 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data available; all values estimated

River Jubba at Bardheere 1980

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	37.9e	15.9e	9.1e	3.4	33.9	77.3	88.6	89.4	102.3	120.5	179.7	52.2
2	36.4e	15.5e	8.6e	3.4	28.2	76.1	102.6	85.6	117.9	130.2	183.1	50.3
3	34.7e	15.0e	8.0e	3.4	28.3	74.0	119.3	87.0	135.0	178.5	183.1	48.9
4	33.6e	14.6e	7.6e	3.4	37.3	71.7	137.8	91.9	147.2	226.4	171.0	48.7
5	33.2e	14.0e	7.3e	3.4	45.7	81.2	150.1	91.8	172.1	230.8	158.4	48.4
6	32.7e	13.5e	6.9e	3.3	39.2	89.6	155.8	88.3	175.8	230.0	147.2	50.0
7	32.6e	13.4e	6.5e	3.1	32.1	85.8	152.8	90.3	172.5	224.5	136.1	50.3
8	32.6e	13.3e	6.1e	3.1	31.3	82.1	145.5	95.5	167.8	213.8	129.5	48.5
9	32.0e	13.1e	5.7e	3.1	40.7	82.4	141.8	99.9	131.4	204.4	129.3	46.7
10	31.6e	12.9e	5.5e	3.1	56.4	84.1	148.7	98.7	134.2	191.9	138.8	45.3
11	31.5e	12.3e	5.1e	3.1	197.6	87.4	159.8	103.2	130.9	173.6	133.2	45.0
12	31.1e	11.7e	4.7e	3.1	439.7	89.8	153.7	109.7	127.2	159.1	132.3	43.2
13	30.5e	11.4e	4.5e	2.9	230.1	91.1	146.0	114.4	124.2	152.3	110.9	41.3
14	29.9e	11.4e	4.4e	2.9	164.5	88.7	149.0	111.7	115.9	148.9	99.5	39.0
15	29.1e	11.2e	4.2e	2.9	175.0	85.0	150.1	110.8	109.6	144.9	90.9	37.4
16	28.3e	10.9e	4.0e	2.8	207.0	77.2	148.0	118.0	109.3	144.4	87.2	35.8
17	27.5e	10.6e	3.8e	2.6	197.5	71.2	161.3	130.6	106.2	147.2	84.2	34.1
18	26.6e	10.5e	3.6e	2.6	185.9	69.7	178.0	140.3	99.2	149.0	83.0	32.2
19	25.8e	10.7e	3.5e	2.4	197.7	73.6	193.0	155.3	99.4	152.5	80.8	31.1
20	25.0e	11.3e	3.4e	3.5	211.4	74.3	190.1	155.6	100.4	156.8	75.7	29.1
21	24.4e	11.8e	3.2e	12.0	192.6	69.4	172.3	145.0	100.4	157.9	72.1	27.7
22	23.7e	12.0e	3.1	27.2	177.3	63.8	157.7	130.5	100.7	151.6	68.7	26.4
23	22.7e	11.9e	3.9	22.2	162.9	61.4	144.8	118.6	103.7	145.5	69.0	25.8
24	21.8e	11.7e	3.9	14.0	152.0	61.2	137.8	112.6	113.0	140.1	70.0	25.0
25	21.1e	11.4e	3.6	11.5	146.0	60.2	137.4	112.7	122.4	136.5	71.8	23.8
26	20.1e	10.8e	3.6	12.3	135.2	59.9	134.3	108.7	129.0	130.6	75.0	23.0
27	19.1e	10.3e	3.6	20.4	122.4	62.1	125.0	104.7	128.7	124.9	71.7	21.9
28	18.1e	9.9e	3.6	32.3	106.4	66.4	114.8	101.7	126.9	119.9	62.6	21.3
29	17.3e	9.5e	3.6	40.4	93.2	73.8	108.1	101.4	124.1	117.7	58.8	20.5
30	16.7e		3.4	39.8	84.3	78.4	101.6	102.4	121.6	126.3	55.6	19.5
31	16.2e		3.4		79.3		95.2	107.2		162.4		19.0
Mean	27.2	12.2	4.9	9.8	130.0	75.6	142.0	110.1	125.0	161.1	107.0	35.9
Maximum	37.9	15.9	9.1	40.4	439.7	91.1	193.0	155.6	175.8	230.8	183.1	52.2
Minimum	16.2	9.5	3.1	2.4	28.2	59.9	88.6	85.6	99.2	117.7	55.6	19.0
Total	73	30	13	25	348	196	380	295	324	431	277	96

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	78.7	(cubic metres per second)
Maximum	:	439.7	(cubic metres per second)
Minimum	:	2.4	(cubic metres per second)
Total	:	2490	(million cubic metres)

Data availability

Original values	:	285
Estimated values (Flag e)	:	81
Missing values (Flag m)	:	0

Comments : An apparent sharp Gu flood peak from local runoff, though it was less noticeable downstream
By far the lowest recorded annual flow volume

River Jubba at Bardheere 1981

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	17.7	7.8	1.4	649.7	1371.5	297.8	110.6	186.7	307.4	427.2	469.6	81.6
2	17.3	7.5	1.4	575.8	1502.8	282.3	109.6	184.0	292.6	421.0	447.2	79.3
3	17.2	7.4	1.3	483.5	1501.0	271.1	110.2	184.4	274.5	412.1	396.0	77.0
4	16.7	7.0	1.2	472.5	1568.4	257.4	112.3	188.4	266.3	403.9	361.3	74.8
5	16.6	6.6	1.1	458.0	1479.8	245.6	113.5	201.8	260.1	382.2	354.6	72.6
6	16.2	6.1	1.1	430.7	1442.3	234.0	117.7	220.0	263.2	355.9	335.3	70.4
7	16.1	6.0	1.1	463.2	1279.6	223.1	118.6	239.3	281.2	339.5	296.5	68.2
8	15.7	5.7	1.0	580.1	1079.5	213.0	122.8	259.6	328.4	331.5	256.1	66.1
9	15.5	5.3	0.9	583.5	1001.9	200.8	127.1	271.3	419.1	336.0	216.7	64.0
10	15.0	5.0	0.8	474.1	969.9	190.7	131.1	265.4	452.3	371.1	172.7	62.0
11	14.6	4.7	0.8	439.8	846.5	182.5	134.0	254.3	470.5	401.1	162.5	60.0
12	14.5	4.4	0.7	420.1	722.6	176.1	136.9	245.6	483.0	435.2	160.4	58.0
13	14.0	4.1	0.7	395.3	671.2	171.2	140.3	238.2	449.5	461.7	155.4	55.8
14	13.5	3.9	1.0	423.7	726.7	166.6	143.8	250.4	430.0	472.2	169.6	53.2
15	13.1	3.6	3.6	541.4	776.9	163.4	142.8	279.6	418.8	480.5	183.9	51.3
16	13.0	3.3	11.0	674.7	758.7	160.2	137.3	307.4	421.3	501.9	163.6	49.2
17	12.6	3.1	30.3	814.5	740.7	158.8	127.6	308.6	425.0	583.3	152.7	46.7
18	12.6	2.8	22.6	983.9	716.9	163.2	115.9	290.5	432.0	604.7	138.8	45.0
19	12.4	2.6	30.0	959.5	661.4	165.4	109.0	274.3	436.5	630.2	130.6	43.2
20	11.6	2.6	140.9	1099.3	619.1	163.0	106.6	280.3	439.7	649.3	124.9	41.5
21	11.2	2.4	214.2	1233.4	562.0	157.2	105.6	300.7	451.8	621.1	119.6	39.8
22	11.1	2.2	156.8	1157.8	516.3	148.5	107.1	302.1	500.0	571.3	115.4	38.2
23	10.7	2.0	172.4	1146.7	479.7	142.4	117.2	323.0	588.3	529.3	111.1	36.8
24	10.2	1.8	241.9	1167.2	440.9	136.5	139.5	346.2	668.7	503.4	105.8	35.1
25	9.9	1.8	287.0	1131.1	408.8	130.6	160.4	382.2	722.2	487.4	100.9	32.1
26	9.8	1.6	744.1	1228.9	390.2	125.5	178.6	387.0	716.5	482.0	97.1	33.7
27	9.4	1.6	536.9	1279.8	375.3	122.0	189.9	359.5	651.7	481.4	93.3	32.9
28	9.0	1.6	581.6	1300.6	358.2	117.1	192.6	337.5	536.5	487.4	89.6	32.0
29	8.6		606.3	1302.9	340.3	114.4	192.6	321.5	456.1	461.1	86.3	30.7
30	8.3		688.6	1312.6	325.0	112.0	191.8	312.7	434.3	450.0	83.9	29.8
31	8.2		665.8		311.8		188.8	306.9		458.2		28.7
Mean	13.0	4.1	166.1	806.1	804.7	179.8	136.5	277.7	442.6	468.8	195.0	51.3
Maximum	17.7	7.8	744.1	1312.6	1568.4	297.8	192.6	387.0	722.2	649.3	469.6	81.6
Minimum	8.2	1.6	0.7	395.3	311.8	112.0	105.6	184.0	260.1	331.5	83.9	28.7
Total	35	10	445	2090	2155	466	366	744	1147	1256	506	137

(Total flows in million cubic metres per month)

Annual statistics

Mean : 296.7 (cubic metres per second)
Maximum : 1568.4 (cubic metres per second)
Minimum : 0.7 (cubic metres per second)
Total : 9356 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments : The largest Gu flood on record and an average Der; second highest annual flow volume

River Jubba at Bardheere 1982

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	27.7e	15.1e	13.2e	22.1e	196.9	373.1e	300.2	357.5	364.9	255.6	519.3	258.9e
2	26.5e	15.0e	12.9e	21.3e	184.4	383.7	307.0	354.0	374.4	265.3	512.6	274.0e
3	25.4e	16.1e	12.6e	20.7e	291.5	391.3	288.8	366.8	347.9	255.0	499.0	242.1e
4	25.5e	17.3e	12.1e	20.1e	289.5	498.0	289.0	350.5	324.9	260.9	510.3	246.0e
5	24.8e	18.0e	12.3e	19.6e	227.0	602.2	317.1	365.5	322.0	253.9	495.6	267.9e
6	23.8e	18.7e	12.4e	19.3e	235.6	593.4	328.1	308.2	313.4	252.1	555.6	286.6e
7	23.0e	18.6e	12.8e	19.1e	257.3	641.5	320.0	300.7	301.5	270.3	573.2	317.3e
8	22.3e	18.1e	12.8e	19.1e	227.0	586.8	307.1	285.8	294.5	281.1	503.5	334.5e
9	21.7e	17.3e	13.0e	19.3e	250.8	554.9	321.8	283.0	281.1	410.5	491.8	322.5e
10	21.4e	16.9e	13.3e	20.4e	310.4	527.4	311.8	299.4	283.9	714.5	442.1	300.7e
11	21.0e	16.6e	14.3e	21.5e	215.9	526.6	316.7	263.5	258.6	877.4	335.6	287.8e
12	21.3e	16.2e	15.5e	22.3e	167.4e	477.8	320.2	275.4	261.8	866.4	319.0	270.6e
13	20.7e	15.8e	16.2e	30.2e	120.3e	493.5	313.3	278.6	264.8	888.1	311.8	263.3e
14	19.8e	15.8e	16.3e	70.2e	116.2e	444.1	329.5	277.9	259.7	842.2	308.5	294.4e
15	19.2e	16.0e	16.2e	195.9	191.4e	407.8	339.7	284.8	271.9	807.8	307.3	244.2e
16	19.2e	15.2e	15.4e	275.7	311.7e	382.1	327.0	277.0	261.0	934.1	316.7	225.5e
17	18.8e	14.9e	15.1e	263.4	391.3e	333.9	289.8	258.3e	251.6	1076.6	328.6	218.4e
18	18.5e	14.4e	15.1e	231.5	487.8e	329.0	286.0	260.2	249.9	1162.0	288.3	209.9e
19	18.3e	14.3e	15.4e	154.2	560.2e	307.4	277.2	259.9	243.6	1164.6	380.1	200.5e
20	18.9e	14.5e	16.2e	135.7	586.8e	310.4	273.1	258.8	236.9	1019.7	385.6	190.1e
21	19.2e	14.6e	17.1e	116.7	595.0e	295.7	250.6	247.1	254.2	925.0	378.0	186.7e
22	18.9e	14.7e	17.4e	163.7	593.0e	286.8	250.1	246.9	256.2	877.8	342.6	190.0e
23	18.3e	14.8e	18.2e	313.0	585.4e	302.6	283.5	259.1	260.4	826.6	301.1	193.3e
24	17.5e	14.7e	19.4e	306.3	578.8e	324.7	326.4	279.9	270.0	799.9	315.5	192.7e
25	16.9e	14.3e	20.5e	222.9	569.5e	324.4	340.9	276.1	257.4	808.8	308.0	204.2e
26	16.5e	13.7e	21.4e	216.8	557.3e	327.6	350.6	273.9	260.6	885.2	299.1	236.7e
27	16.4e	13.4e	21.8e	255.1	542.0e	325.8	363.6	279.6	255.8	961.3	313.1	254.4e
28	15.7e	13.3e	22.1e	286.8	514.5e	326.1	370.3	284.6	259.0e	787.7e	315.3	233.9e
29	15.2e		22.4e	273.1	477.3e	307.1	381.6	278.0	255.2	541.6	259.8	220.8e
30	15.8e		22.2e	222.9	450.9e	326.8	389.1	278.2	254.1	552.5	257.7	219.2e
31	15.1e		22.1e		399.1e		396.0	286.2		511.5e		203.3e
Mean	20.1	15.7	16.4	132.6	370.4	410.4	318.3	288.9	278.4	688.3	382.5	244.8
Maximum	27.7	18.7	22.4	313.0	595.0	641.5	396.0	366.8	374.4	1164.6	573.2	334.5
Minimum	15.1	13.3	12.1	19.1	116.2	286.8	250.1	246.9	236.9	252.1	257.7	186.7
Total	54	38	44	344	992	1064	852	774	722	1843	991	656

(Total flows in million cubic metres per month)

Annual statistics

Mean : 265.5 (cubic metres per second)
Maximum : 1164.6 (cubic metres per second)
Minimum : 12.1 (cubic metres per second)
Total : 8374 (million cubic metres)

Data availability

Original values : 205
Estimated values (Flag e) : 160
Missing values (Flag m) : 0

Comments : Drop in data quality after end of FAO project. Data limited throughout Jubba so estimates may be less accurate than in other years

River Jubba at Bardheere 1983

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	188.4e	61.1e	59.4e	32.0e	307.1e	507.8e	236.8e	266.2e	429.7e	417.3e	605.4e	346.1e
2	176.6e	67.3e	55.9e	35.8e	287.8e	501.9e	230.1e	257.8e	443.4e	404.8e	656.7e	321.1e
3	170.3e	113.9e	61.3e	35.0e	246.8e	502.3e	229.6e	247.9e	459.1e	424.4e	669.2e	303.6e
4	163.7e	170.3e	49.4e	30.5e	223.4e	490.1e	228.3e	243.3e	447.7e	470.0e	676.1e	279.5e
5	157.2e	142.2e	47.7e	29.9e	243.3e	488.1e	220.8e	239.8e	410.5e	517.7e	680.9e	258.0e
6	151.7e	102.5e	48.3e	37.3e	341.7e	495.8e	219.9e	236.6e	399.5e	530.6e	679.9e	246.3e
7	145.5e	112.9e	48.7e	33.4e	338.2e	512.8e	273.9e	230.1e	408.9e	522.6e	672.0e	225.7e
8	133.2e	78.5e	46.9e	29.1e	297.5e	514.2e	333.3e	268.9e	412.1e	514.0e	657.3e	200.3e
9	127.3e	56.0e	47.4e	27.5e	229.2e	503.3e	401.8e	275.4e	411.2e	517.8e	628.1e	205.1e
10	121.9e	60.0e	65.0e	27.0e	210.1e	487.0e	404.2e	281.9e	390.9e	530.1e	587.0e	206.3e
11	117.8e	61.7e	58.2e	35.9e	200.1e	461.2e	375.1e	279.8e	349.3e	535.9e	526.2e	202.0e
12	114.0e	59.9e	44.8e	41.8e	177.5e	436.5e	361.9e	261.0e	365.2e	518.1e	426.4e	197.4e
13	108.5e	60.3e	45.6e	37.3e	189.0e	400.3e	369.9e	235.8e	380.0e	535.0e	416.4e	188.7e
14	102.9e	66.4e	58.5e	36.0e	183.6e	389.6e	347.3e	212.1e	371.8e	547.3e	427.1e	178.5e
15	99.7e	72.6e	55.2e	35.7e	170.4e	367.3e	304.3e	208.0e	390.1e	556.4e	449.3e	175.3e
16	96.6e	87.4e	41.5e	41.3e	169.8e	346.1e	273.1e	201.5e	442.1e	559.6e	488.2e	167.6e
17	94.1e	91.4e	29.7e	35.6e	205.3e	324.1e	236.9e	193.3e	420.7e	556.7e	507.0e	159.8e
18	94.5e	81.2e	28.3e	30.4e	315.5e	302.0e	247.8e	184.5e	405.4e	548.5e	510.8e	151.2e
19	87.3e	72.0e	33.6e	31.4e	406.2e	286.2e	235.1e	198.0e	402.3e	543.2e	508.7e	136.9e
20	84.8e	69.0e	40.8e	38.5e	428.2e	289.5e	200.4e	219.7e	385.0e	535.9e	507.1e	128.6e
21	76.8e	84.4e	34.6e	59.0e	418.5e	282.8e	207.3e	250.4e	384.0e	532.2e	501.7e	135.2e
22	81.4e	81.4e	33.0e	85.2e	411.0e	267.3e	204.9e	265.1e	351.8e	537.5e	497.6e	132.9e
23	80.8e	71.8e	45.0e	76.3e	408.1e	262.7e	197.7e	284.2e	352.2e	552.8e	491.7e	128.8e
24	79.7e	72.1e	35.1e	84.0e	451.4e	228.6e	184.5e	353.6e	343.1e	565.6e	481.9e	122.8e
25	74.1e	68.9e	22.8e	88.3e	517.3e	219.7e	182.8e	386.9e	370.4e	564.4e	469.6e	115.9e
26	67.7e	55.0e	32.9e	93.0e	544.5e	221.4e	183.0e	414.9e	411.8e	554.2e	459.8e	112.3e
27	66.6e	49.4e	31.4e	92.4e	555.8e	223.7e	189.2e	394.1e	460.3e	555.6e	474.4e	110.3e
28	64.4e	57.9e	31.0e	93.3e	557.3e	218.8e	196.0e	379.3e	472.3e	560.6e	460.7e	109.4e
29	68.5e		34.3e	112.3e	551.0e	214.1e	205.2e	378.6e	443.8e	570.5e	398.3e	106.8e
30	61.9e		41.9e	212.3e	538.3e	233.6e	245.3e	386.4e	433.2e	580.8e	372.9e	104.1e
31	61.6e		38.3e		524.4e		271.0e	408.0e		589.5e		100.5e
Mean	107.1	79.6	43.4	55.9	343.5	366.0	258.0	278.8	404.9	530.6	529.6	179.3
Maximum	188.4	170.3	65.0	212.3	557.3	514.2	404.2	414.9	472.3	589.5	680.9	346.1
Minimum	61.6	49.4	22.8	27.0	169.8	214.1	182.8	184.5	343.1	404.8	372.9	100.5
Total	287	192	116	145	920	949	691	747	1050	1421	1373	480

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	265.4	(cubic metres per second)
Maximum	:	680.9	(cubic metres per second)
Minimum	:	22.8	(cubic metres per second)
Total	:	8371	(million cubic metres)

Data availability

Original values	:	0
Estimated values (Flag e)	:	365
Missing values (Flag m)	:	0

Comments : No original data; estimates derived from Mareere so peaks may be approximate

River Jubba at Bardheere 1984

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	98.1e	52.8e	28.2e	21.0	41.9	110.5	106.4	146.6	171.0	437.6	204.2	84.3
2	98.1e	49.5e	28.1e	23.2	41.8	105.5	110.2	156.2	153.8	448.3	172.1	82.1
3	81.8e	43.2e	26.6e	25.0	40.3	85.7	121.6	164.7	154.2	399.8	160.7	78.2
4	77.4e	46.7e	27.3e	25.2	40.0	82.3	123.3	165.3	153.8	361.5	151.1	73.2
5	86.4e	48.3e	25.1e	25.7	43.4	82.7	122.1	153.6	153.7	334.2	161.8	71.0
6	87.0e	48.2e	26.2e	25.8	45.2	80.0	113.2	146.5	173.8	320.8	174.8	70.7
7	79.6e	44.0e	26.3e	24.3	46.5	77.7	106.6	145.8	188.1	346.8	163.7	69.7
8	76.8e	42.5e	25.6e	25.0	66.1	76.8	100.0	144.9	189.0	364.9	157.5	69.9
9	79.6e	40.7e	24.0e	25.2	123.7	78.8	87.7	137.0	200.7	368.4	160.3	66.7
10	84.9e	40.1e	22.2e	25.3	219.0	150.6	81.3	144.4	217.5	351.6	164.9	65.3
11	84.4e	38.7e	21.2e	25.8	298.3	164.0	79.2	145.8	215.8	320.5	173.7	63.2
12	79.8e	41.0e	21.9e	24.7	363.7	146.8	76.3	145.3	222.0	306.8	182.1	62.3
13	77.8e	44.0e	22.4e	24.6	397.5	139.8	73.1	144.8	234.9	287.3	184.7	61.3
14	73.4e	40.9e	22.7e	24.6	361.3	121.8	70.1	151.1	236.8	270.6	160.6	61.3
15	72.7e	34.2e	22.8e	25.2	207.8	116.2	66.1	154.7	239.9	245.8	171.5	62.3
16	72.5e	34.5e	21.1e	25.2	127.3	118.2	64.6	161.5	236.3	226.3	148.3	59.9
17	70.3e	37.4e	20.5e	25.2	112.9	128.8	64.6	155.5	233.9	209.9	139.7	57.2
18	62.3e	36.4e	18.3e	25.2	114.1	123.3	67.4	161.7	260.0	196.1	130.3	55.1
19	62.9e	34.1e	17.9e	52.2	116.0	115.3	72.2	158.8	290.8	195.1	140.3	52.0
20	67.8e	33.5e	19.8e	47.1	93.9	112.3	75.1	163.4	322.2	207.5	178.0	49.6
21	58.3e	32.8e	20.0e	26.7	68.7	109.6	76.8	163.1	374.6	206.6	156.4	47.8
22	60.2e	33.6e	19.4e	27.8	64.5	104.2	81.2	243.7	421.9	239.5	130.5	47.1
23	60.8e	32.6e	18.2e	29.2	63.5	96.8	83.1	283.0	516.2	299.6	127.0	45.9
24	60.7e	31.8e	17.3	35.0	55.7	94.1	81.6	259.4	548.4	310.3	120.5	43.6
25	59.6e	32.5e	17.9	35.4	59.5	91.8	88.8	255.1	536.3	305.4	109.7	42.0
26	54.0e	34.2e	18.4	39.4	106.9	91.2	91.1	255.3	509.1	285.3	103.2	41.9
27	48.9e	31.6e	18.8	46.2	112.3	80.2	91.7	253.2	438.0	255.1	100.0	41.9
28	56.1e	29.0e	19.0	45.4	108.9	73.1	110.0	237.7	384.4	236.1	96.6	41.9
29	54.3e	28.3e	19.6	46.3	107.5	84.4	121.8	217.6	368.3	214.3	93.2	41.9
30	47.2e		20.7	43.7	115.7	96.5	123.5	206.2	390.9	202.8	87.6	41.9
31	49.0e		20.3		116.3		132.9	193.9		238.4		41.9
Mean	70.4	38.5	21.9	30.7	125.2	104.6	92.4	181.1	291.2	290.1	146.8	57.9
Maximum	98.1	52.8	28.2	52.2	397.5	164.0	132.9	283.0	548.4	448.3	204.2	84.3
Minimum	47.2	28.3	17.3	21.0	40.0	73.1	64.6	137.0	153.7	195.1	87.6	41.9
Total	189	97	59	80	335	271	247	485	755	777	381	155

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	121.1	(cubic metres per second)
Maximum	:	548.4	(cubic metres per second)
Minimum	:	17.3	(cubic metres per second)
Total	:	3830	(million cubic metres)

Data availability

Original values	:	283
Estimated values (Flag e)	:	83
Missing values (Flag m)	:	0

Comments : An apparent sharp Gu flood peak from local runoff, though it was much less noticeable downstream

River Jubba at Bardheere 1985

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	41.9	17.9	10.0	21.4	654.1	308.1	219.6	223.8	222.1	273.5	194.7	128.3
2	41.9	17.8	9.9	31.2	864.1	299.5	207.9	268.7	213.6	270.2	181.8	121.4
3	41.7	16.8	9.9	32.8	634.1	277.2	199.0	309.3	207.6	276.3	176.0	115.6
4	38.1	16.7	9.1	24.4	624.2	242.9	193.0	319.9	204.3	281.3	183.0	110.6
5	35.5	15.7	8.3	27.7	599.8	224.1	194.8	307.6	199.2	288.9	198.8	105.9
6	34.8	15.7	8.3	27.0	583.6	213.2	195.1	297.6	188.3	272.5	194.8	100.8
7	33.8	15.7	8.3	23.5	529.8	205.7	199.1	272.0	182.5	261.6	181.0	95.1
8	33.8	15.7	8.0	20.3	493.1	201.6	205.3	262.1	182.2	251.9	241.7	90.9
9	32.0	15.3	7.6e	18.6	506.7	198.8	204.4	263.8	178.2	235.4	205.8	87.6
10	30.8	14.6	7.2e	21.3	513.3	200.8	206.8	266.5	169.0	229.4	170.0	84.5
11	29.5	14.6	6.9e	39.3	590.7	199.2	202.5	271.9	159.5	241.6	165.9	82.3
12	28.9	13.7	6.6e	64.5	758.0	207.0	197.7	292.3	154.2	267.9	165.8	76.4e
13	28.0	13.6	6.2e	158.0	1064.6	196.8	193.2	361.8	153.0	232.7	167.4	71.1e
14	28.0	13.6	5.9e	177.2	652.1	187.4	195.8	371.0	154.6	217.7	168.7	68.5e
15	28.0	13.6	5.7e	321.8	633.1	191.3	180.4	321.7	175.8	272.5	161.5	69.1e
16	28.0	14.2	5.4e	409.0	712.0	189.4	177.5	298.3	213.2	336.8	158.4	70.9e
17	27.8	15.0	5.1e	316.6	704.6	185.9	168.2	301.9	212.8	366.5	186.6	72.6e
18	25.3	15.7	4.9e	186.2	674.5	185.9	167.4	316.3	199.1	375.0	163.8	71.6e
19	24.0	15.7	4.7e	141.8	651.4	189.2	175.4	326.7	190.7	391.5	154.6	67.8e
20	23.4	15.7	4.4e	134.7	678.0	193.1	195.3	342.1	189.2	383.8	141.2	63.7e
21	21.5	15.6	4.2e	152.1	702.9	202.8	209.7	326.0	191.1	368.6	135.3	59.9e
22	21.4	14.6	4.0e	247.3	647.2	206.6	221.7	322.6	189.2	341.5	128.9	56.2e
23	21.4	13.7	3.8e	310.1	628.7	207.8	217.1	330.9	186.1	321.4	121.6	53.2e
24	21.4	13.2	3.6e	397.0	601.7	222.6	217.4	312.1	188.7	326.9	121.7	50.4e
25	20.6	12.2	3.5e	605.6	560.2	228.6	221.9	288.0	185.8	310.4	129.1	47.6e
26	20.2	10.8	3.3e	354.4	516.1	228.9	222.6	271.5	183.5	283.9	138.2	44.7e
27	20.2	10.8	3.1e	319.1	472.4	228.4e	222.1	264.3	177.9	254.0	143.6	42.3e
28	20.2	10.7	3.0e	338.3	430.6	244.9e	208.8	263.6	175.6	236.5	141.9e	39.6e
29	19.4		6.3	653.5	387.6	261.0e	203.2	249.7	196.7	219.4	138.2e	38.2e
30	18.3		58.5	522.1	353.1	254.5e	207.4	236.9	250.1	210.6	132.9	36.9e
31	17.9		28.1		333.4		218.9	234.1		207.5		36.9e
Mean	27.7	14.6	8.5	203.2	605.0	219.4	201.6	293.4	189.1	284.1	163.1	72.9
Maximum	41.9	17.9	58.5	653.5	1064.6	308.1	222.6	371.0	250.1	391.5	241.7	128.3
Minimum	17.9	10.7	3.0	18.6	333.4	185.9	167.4	223.8	153.0	207.5	121.6	36.9
Total	74	35	23	527	1620	569	540	786	490	761	423	195

(Total flows in million cubic metres per month)

Annual statistics

Mean : 191.6 (cubic metres per second)
Maximum : 1064.6 (cubic metres per second)
Minimum : 3.0 (cubic metres per second)
Total : 6043 (million cubic metres)

Data availability

Original values : 319
Estimated values (Flag e) : 46
Missing values (Flag m) : 0

Comments : Gu flood peaks enhanced by local runoff

River Jubba at Bardheere 1986

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	35.8e	15.8e	10.8e	14.8	228.4	431.2	347.8	187.9	193.7	363.3	313.1	96.6
2	35.5e	15.6e	10.8e	15.1	212.8	419.5	339.8	179.0	185.5	336.2	295.0	99.0
3	33.7e	15.4e	11.1	15.1	218.5	378.7	336.7	171.0	172.5	303.8	284.7	97.3
4	31.2e	15.3e	10.8	18.5	235.6	358.6	315.3	165.7	164.5	278.2	272.0	91.1
5	30.1e	14.6e	10.5	28.7	251.1	340.2	299.5	162.9	156.2	261.6	254.6	89.1
6	30.4e	13.4e	10.6	28.5	333.1	298.5	300.6	170.5	146.1	258.6	235.1	86.8
7	30.0e	12.5e	10.8	26.6	390.9	276.6	309.5	185.5	138.0	278.7	213.9	83.7
8	28.5e	12.3e	10.3	23.9	327.3	275.7	304.6	196.1	133.5	296.6	197.4	79.7
9	27.6e	11.7e	10.8	22.7	286.3	338.5	299.8	202.8	129.4	291.5	186.6	75.3
10	28.3e	11.9e	10.6	22.7	265.1	403.7	290.5	196.1	138.4	276.4	172.7	73.1
11	27.8e	12.8e	11.2	26.6	244.1	407.6	284.7	187.0	162.4	275.1	164.3	69.7
12	26.9e	13.5e	11.2	154.0	208.9	396.5	280.7	182.5	209.1	302.8	149.9	67.9
13	26.3e	13.4e	10.8	156.6	186.6	381.1	280.5	178.7	236.3	318.8	139.1	65.8
14	27.0e	12.8e	11.7	464.6	182.1	349.3	280.7	169.0	239.9	318.3	133.7	71.2
15	26.6e	13.1e	12.8	351.0	174.6	324.1	282.6	159.3	235.1	306.2	126.3	71.0
16	25.6e	13.3e	14.7	139.5	165.5	313.0	272.0	149.9	229.1	301.9	121.5	72.1
17	25.0e	12.7e	15.8	117.0	156.3	301.4	256.3	144.1	234.2	301.4	125.7	69.9
18	25.2e	12.6	16.1	166.9	158.2	284.9	242.6	150.5	275.6	293.1	131.2	66.7
19	25.0e	11.9e	16.7	182.9	215.4	275.3	223.1	168.4	444.4	284.7	114.8	66.6
20	25.5e	10.5e	17.6	228.5	271.5	275.8	212.7	177.1	432.1	281.0	118.9	69.3
21	24.6e	9.4e	21.0	228.0	253.6	269.4	206.8	192.9	458.7	291.0	115.7	80.8
22	23.4e	9.3e	22.6	372.3	247.0	260.6	203.4	218.7	464.2	357.9	115.2	81.0
23	22.7	10.1e	23.4	440.8	269.0	257.6	203.0	230.8	461.0	405.6	112.4	73.1
24	22.0e	11.2	23.3	272.1	303.4	256.1	199.0	225.4	464.3	343.4	111.7	66.6
25	22.0e	12.4e	23.6	223.3	360.7	257.1	200.5	225.9	492.7	288.7	126.2	61.8
26	21.1e	11.7e	23.3	218.9	401.4	276.1	198.3	239.7	509.5	275.1	107.8	59.0
27	19.9e	11.0e	21.6	222.2	511.1	300.4	192.4	242.1	474.6	270.7	105.3	56.5
28	18.3e	10.9e	20.1	207.4	562.9	328.9	184.7	225.6	446.3	266.6	114.5	54.6
29	18.0e		16.4	264.4	516.1	344.7	185.1	216.1	424.0	265.4	99.7	54.4
30	17.3		16.3	300.1	476.9	354.5	195.2	203.4	393.2	287.1	93.8	51.9
31	16.2e		15.6		460.0		192.6	196.3		306.0		49.0
Mean	25.7	12.5	15.2	165.1	292.7	324.5	255.5	190.4	294.8	299.5	161.8	72.6
Maximum	35.8	15.8	23.6	464.6	562.9	431.2	347.8	242.1	509.5	405.6	313.1	99.0
Minimum	16.2	9.3	10.3	14.8	156.3	256.1	184.7	144.1	129.4	258.6	93.8	49.0
Total	69	30	41	428	784	841	684	510	764	802	419	194

(Total flows in million cubic metres per month)

Annual statistics

Mean : 176.6 (cubic metres per second)
Maximum : 562.9 (cubic metres per second)
Minimum : 9.3 (cubic metres per second)
Total : 5568 (million cubic metres)

Data availability

Original values : 308
Estimated values (Flag e) : 57
Missing values (Flag m) : 0

Comments :

River Jubba at Bardheere 1987

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	48.9	22.6	11.6	52.4	321.1	1215.9	238.2	188.5	192.2	137.0	305.1	139.1
2	48.1	21.0	10.8	51.6	175.9	1175.9	232.5	199.2	199.7	137.6	431.7	143.0
3	45.3	20.2	10.7	51.3	144.9	1154.5	221.4	200.3	232.9	135.4	376.7	140.8
4	43.6	20.1	10.0	48.2	119.6	1118.5	212.7	192.6	257.8	143.6	318.9	136.8
5	42.0	19.1	9.9	45.5	116.0	1087.2	207.5	182.3	276.1	149.7	379.5	131.7
6	41.2	19.0	9.9	45.5	133.6	1064.7	217.5	172.1	286.8	149.9	459.2	126.1
7	38.7	18.9	10.0	47.0	161.6	1014.5	224.9	162.7	265.0	149.5	484.6	119.0
8	38.6	17.9	10.7	46.3	121.9	952.1	225.4	159.3	266.1	146.4	598.7	114.0
9	38.0	17.8	10.8	45.1	98.1	836.2	232.5	154.8	244.5	163.9	580.2	112.1
10	36.4	16.8	11.6	49.7	100.6	780.4	240.4	146.1	225.6	276.6	536.3	109.6
11	35.4	16.7	11.7	58.6	87.0	725.3	279.8	143.6	214.5	328.5	500.2	104.3
12	35.3	16.7	11.7	69.2	82.0	691.9	288.3	140.8	196.1	390.2	462.0	99.2
13	33.8	16.7	11.7	79.2	93.5	644.0	286.8	136.8	181.5	397.5	420.2	95.9
14	32.3	15.7	11.7	78.7	116.4	623.8e	294.7	132.8	175.6	383.5	430.3	94.1
15	30.9	15.7	12.1	79.3	117.5	566.7e	278.7	129.0	171.0	371.2	372.2	94.3
16	30.3	15.7	14.6	148.8	134.8	533.8e	254.3	126.1	164.3	390.8	383.5	96.3
17	29.3	15.7	16.1	179.4	328.4	524.8e	246.5	123.3	155.2	431.7	341.9	93.2
18	28.1	15.7	16.7	184.0	439.2	527.6e	232.7	119.3	148.2	558.3	301.0	89.2
19	28.0	15.6	15.7	180.8	413.6	521.0e	221.9	112.4	133.4	594.2	272.8	87.0
20	27.5	14.7	15.6	197.5	515.9	497.1e	221.4	109.7	126.5	587.0	259.6	86.8
21	26.6	14.6	14.6	269.2	452.9	464.5e	221.2	109.4	124.9	554.8	242.8	87.0
22	26.5	14.6	13.7	233.7	684.0	424.1e	214.1	107.1	120.8	524.0	238.9	88.0
23	25.3	14.6	14.9	216.1	1200.0	386.2e	203.2	106.9	124.5	493.4	228.7	83.9
24	25.2	14.6	16.1	192.9	1339.4	353.2e	190.9	107.1	132.8	465.6	216.1	79.2
25	25.2	13.7	21.4	175.6	1415.4	327.4e	178.7	109.2	141.0	421.4	197.9	76.0
26	25.2	13.2	43.0	161.3	1301.6	308.5e	185.3	107.1	150.9	392.3	173.5	72.7
27	25.2	12.6	41.0	150.3	948.9	293.5e	183.2	109.9	157.9	373.9	167.6	69.1
28	25.2	11.7	40.3	150.1	917.1	277.4	174.6	125.5	157.7	353.1	156.4	66.7
29	24.0		42.5	154.6	944.5	264.1	167.6	145.3	147.8	323.6	146.8	65.4
30	23.9		46.0	313.8	1022.9	248.4	159.9	166.4	128.1	299.2	140.9	62.5
31	22.7		50.1		1145.9		166.6	182.1		302.2		59.0
Mean	32.5	16.5	18.9	125.2	490.1	653.4	222.7	142.2	183.3	339.5	337.5	97.5
Maximum	48.9	22.6	50.1	313.8	1415.4	1215.9	294.7	200.3	286.8	594.2	598.7	143.0
Minimum	22.7	11.7	9.9	45.1	82.0	248.4	159.9	106.9	120.8	135.4	140.9	59.0
Total	87	40	51	325	1313	1694	596	381	475	909	875	261

(Total flows in million cubic metres per month)

Annual statistics

Mean : 222.2 (cubic metres per second)
Maximum : 1415.4 (cubic metres per second)
Minimum : 9.9 (cubic metres per second)
Total : 7006 (million cubic metres)

Comments : The second highest Gu flood peak

Data availability

Original values : 351
Estimated values (Flag e) : 14
Missing values (Flag m) : 0

River Jubba at Bardheere 1988

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	57.0	29.8	14.6	16.2	214.7	152.0	136.3	315.8	332.5	301.5	583.1	114.0
2	55.5	28.7	14.1	15.5	492.5	145.5	125.4	300.4	310.5	292.0	566.7	109.6
3	54.6	28.0	13.7	14.6	240.5	136.7	118.6	287.4	293.2	289.3	525.3	106.4
4	54.5	27.3	14.3	14.1	191.8	126.1	110.8	274.7	282.3	303.3	496.3	102.5
5	53.0	27.3	15.1	14.0	190.9	116.5	105.9	277.0	279.3	330.1	490.8	98.8
6	51.1	27.9	15.2	14.0	186.7	104.7	101.7	281.5	270.2	327.0	462.7	96.6
7	49.4	27.3	15.6	13.8	173.3	97.6	99.5	275.7	258.1	328.0	421.7	93.2
8	47.2	26.6	14.9	18.1	166.3	92.6	101.7	273.7	244.2	334.9	378.0	89.4
9	46.2	26.6	14.1	20.9	170.4	89.2	107.6	319.2	230.2	343.5	348.0	89.1
10	45.1	26.9	13.6	17.3	180.0	86.8	125.7	445.4	233.2	345.0	327.2	87.0
11	44.4	27.0	13.6	34.9	181.5	84.5	148.8	484.1	240.5	358.5	305.3	86.3
12	43.3	25.7	13.4	37.1	168.0	83.3	167.0	477.5	250.6	406.2	281.8	84.4
13	41.1	24.6	14.1	66.7	154.2	81.2	179.1	461.0	273.7	449.4	267.2	81.3
14	39.0	23.9	15.1	52.0	144.8	77.7	177.5	442.4	298.8	465.7	271.3	77.5
15	41.1	23.3	16.8	136.2	156.0	76.4	186.3	417.5	294.0	485.1	241.5	75.1
16	43.9	22.4	19.2	164.5	172.2	75.3	196.9	397.9	285.3	503.4	224.8	73.9
17	46.2	21.4	20.1	157.7	176.6	75.3	218.4	410.5	276.6	500.9	211.5	72.9
18	46.9	20.8	19.0	183.6	161.7	75.4	226.1	460.4	268.9	491.5	197.8	70.9
19	45.5	20.2	17.9	214.4	149.7	84.7	208.8	493.7	253.4	501.8	187.1	68.7
20	45.2	19.4	16.8	182.6	137.8	106.3	200.5	456.5	238.7	605.0	178.7	66.9
21	43.6	19.0	16.7	306.3	126.1	125.8	197.9	403.9	230.6	740.5	167.0	68.5
22	41.1	18.4	17.2	230.5	116.9	138.5	201.1	366.0	221.2	878.1	157.4	66.4
23	38.6	17.9	19.0	174.0	113.8	144.9	237.1	339.6	364.2	962.9	151.5	69.6
24	37.8	17.3	20.6	148.1	126.1	151.1	394.3	321.3	492.8	955.0	146.9	66.6
25	37.0	16.7	30.8	182.7	179.5	156.9	433.9	302.9	320.2	942.5	142.7	64.6
26	36.9	16.2	44.2	154.4	193.9	156.1	410.0	299.8	285.1	927.8	138.7	64.1
27	35.5	15.7	27.1	176.4	187.7	153.4	382.0	336.3	284.1	881.1	134.7	63.7
28	34.7	15.6	21.3	171.6	179.1	155.7	386.5	350.4	288.2	810.9	129.1	72.8
29	32.4	14.7	19.4	148.1	175.6	150.9	386.2	365.8	307.6	734.4	124.7	59.9
30	31.6		17.7	138.7	170.8	142.8	364.6	362.4	306.8	673.1	119.5	57.1
31	30.8		16.7		161.3		339.3	351.0		620.5		54.6
Mean	43.5	22.6	18.1	107.3	178.7	114.8	218.6	366.2	283.8	551.3	279.3	79.1
Maximum	57.0	29.8	44.2	306.3	492.5	156.9	433.9	493.7	492.8	962.9	583.1	114.0
Minimum	30.8	14.7	13.4	13.8	113.8	75.3	99.5	273.7	221.2	289.3	119.5	54.6
Total	117	57	49	278	479	298	585	981	736	1476	724	212

(Total flows in million cubic metres per month)

Annual statistics

Mean : 189.4 (cubic metres per second)
Maximum : 962.9 (cubic metres per second)
Minimum : 13.4 (cubic metres per second)
Total : 5991 (million cubic metres)

Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments :

River Jubba at Bardheere 1989

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	53.5	25.9	22.9	33.6	1055.2	173.3	177.2	315.0	211.6	301.8	662.9	272.8
2	52.6	25.5	21.8	42.5	965.9	170.2	165.9	304.7	211.0	310.7	601.3	282.6
3	50.2	25.7	21.2	41.5	917.0	173.5	158.7	294.2	199.3	346.3	579.5	269.7
4	48.6	27.1	20.8	32.3	919.3	161.1	151.4	279.8	197.7	401.7	579.1	262.8
5	48.0	30.5	20.0	38.4	1120.3	154.3	146.3	267.1	246.8	445.1	557.3	271.7
6	47.1	32.0	19.6	67.4	1296.4	155.4	143.5	259.7	296.8	547.3	534.4	267.4
7	45.7	31.5	19.0	79.2	834.7	156.5	137.9	252.7	313.5	670.0	457.3	263.6
8	44.7	29.4	18.6	160.9	588.7	156.3	133.4	247.9	356.9	671.9	424.7	240.6
9	43.1	28.7	18.1	552.0	587.5	151.3	130.9	240.6	356.5	682.9	398.1	236.4
10	42.2	28.9	17.5	378.1	477.2	143.1	129.0	232.6	340.5	679.4	384.1	218.3
11	41.1	28.9	16.9	303.7	454.4	135.1	127.0	219.5	355.6	692.3	391.3	208.2
12	39.9	27.5	16.2	535.7	397.3	127.1	125.1	206.5	386.4	584.4	456.2	206.7
13	39.1	26.2	16.2	397.9	344.9	121.4	134.0	197.6	383.3	530.6	381.2	204.1
14	38.1	25.3	15.9	234.1	339.1	116.7	151.8	184.6	370.6	498.6	382.0	204.2
15	37.3	24.3	15.6	201.5	326.6	111.8	167.0	175.2	384.3	489.6	397.1	209.4
16	36.7	23.5	15.2	263.5	276.5	108.3	177.1	175.4	484.7	508.0	360.6	279.5
17	35.9	22.3	15.1	400.1	254.9	140.2	185.5	194.8	545.4	444.3	337.2	445.6
18	34.9	21.8	14.7	395.3	264.8	217.9	190.2	195.5	542.9	419.8	333.7	422.0
19	34.1	21.2	14.6	337.7	273.5	249.0	199.1	191.2	500.3	407.7	326.3	383.8
20	33.6	20.8	14.1	274.0	264.2	233.1	209.2	197.9	466.1	426.9	308.8	352.5
21	33.1	20.8	14.1	260.6	310.7	234.0	228.6	197.9	422.0	631.7	361.2	326.8
22	32.6	20.8	13.6	210.1	303.7	249.7	260.5	193.9	388.0	595.7	313.2	310.3
23	31.8	21.2	14.8	206.4	333.0	255.5	257.2	193.5	386.0	554.3	288.2	293.3
24	30.6	23.1	73.2	192.3	328.0	243.2	248.1	197.5	383.0	647.3	278.7	277.5
25	29.6	26.9	194.8	159.6	310.2	225.0	236.8	196.1	363.3	879.4	287.5	261.7
26	28.7	27.7	73.3	165.3	301.5	221.9	221.0	199.3	347.0	958.0	254.1	252.0
27	28.2	26.2	35.7	204.7	269.3	224.0	208.6	209.7	332.2	988.9	346.3	244.1
28	27.5	24.5	30.0	259.3	231.5	215.7	204.5	221.0	313.6	976.0	456.6	233.1
29	26.9		24.6	644.9	207.3	202.0	266.9	224.7	305.1	889.9	272.8	229.9
30	26.6		19.0	1025.4	188.3	189.6	335.8	218.3	299.9	769.3	275.5	238.5
31	26.0		19.0		179.0		332.1	212.3		695.9		245.2
Mean	37.7	25.7	27.9	269.9	481.3	180.5	191.6	222.5	356.3	601.5	399.6	271.4
Maximum	53.5	32.0	194.8	1025.4	1296.4	255.5	335.8	315.0	545.4	988.9	662.9	445.6
Minimum	26.0	20.8	13.6	32.3	179.0	108.3	125.1	175.2	197.7	301.8	254.1	204.1
Total	101	62	75	700	1289	468	513	596	924	1611	1036	727

(Total flows in million cubic metres per month)

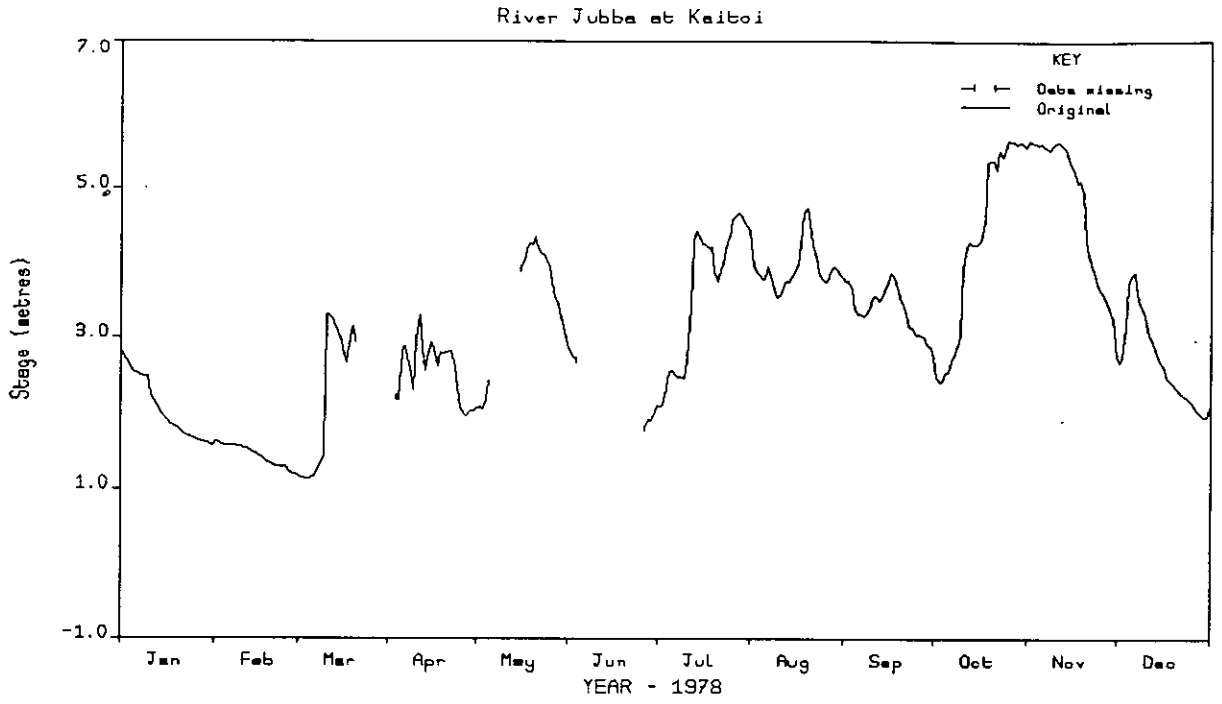
Annual statistics

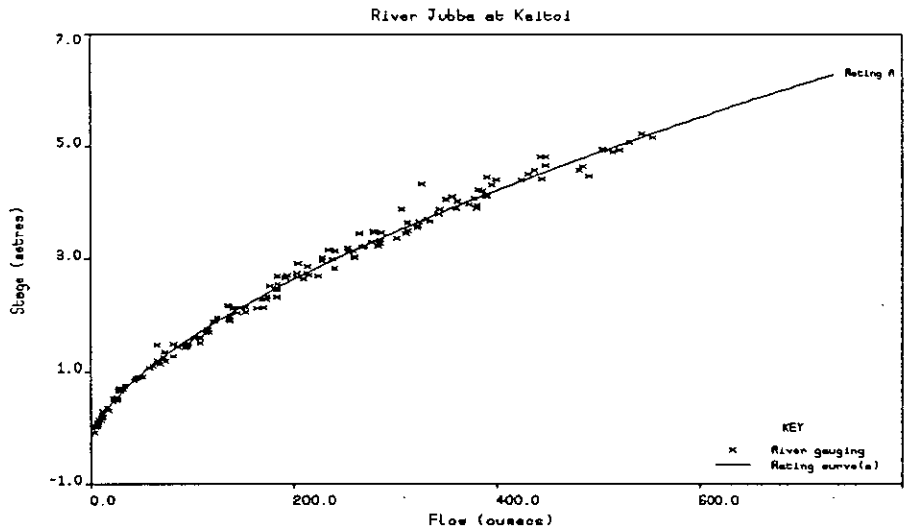
Mean	:	256.9	(cubic metres per second)
Maximum	:	1296.4	(cubic metres per second)
Minimum	:	13.6	(cubic metres per second)
Total	:	8101	(million cubic metres)

Data availability

Original values	:	365
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	0

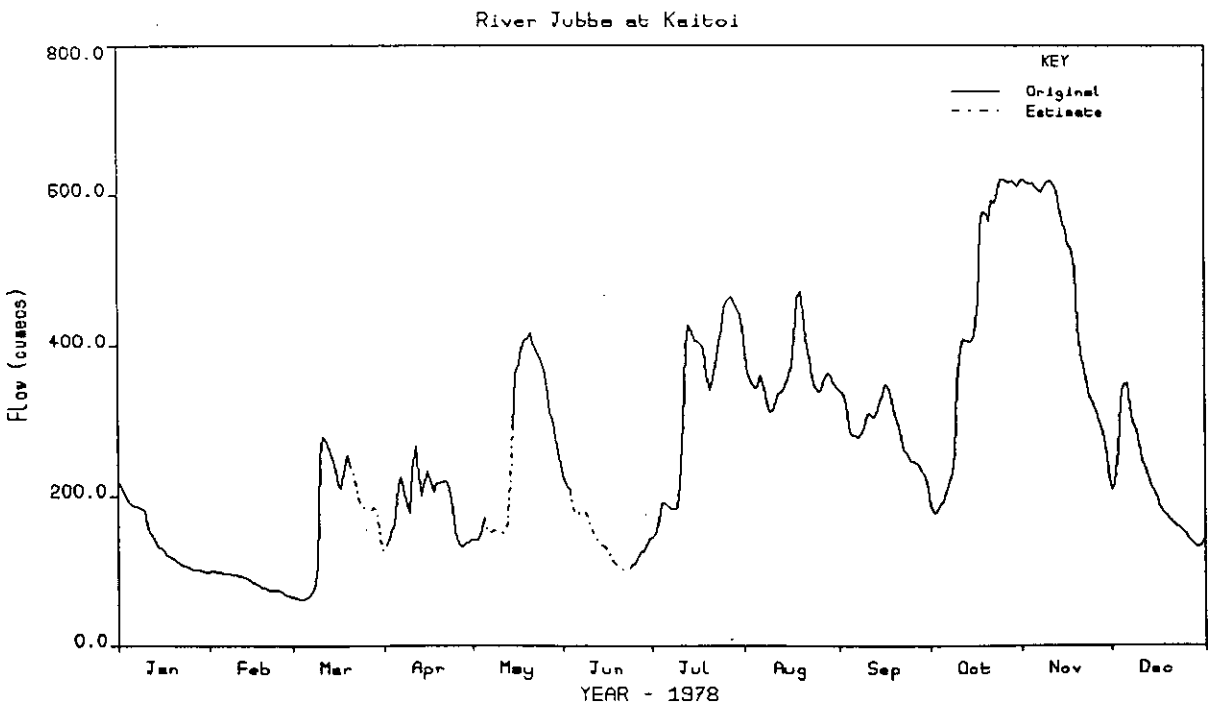
Comments : Large floods in both seasons, that in the Gu being substantially enhanced by local runoff



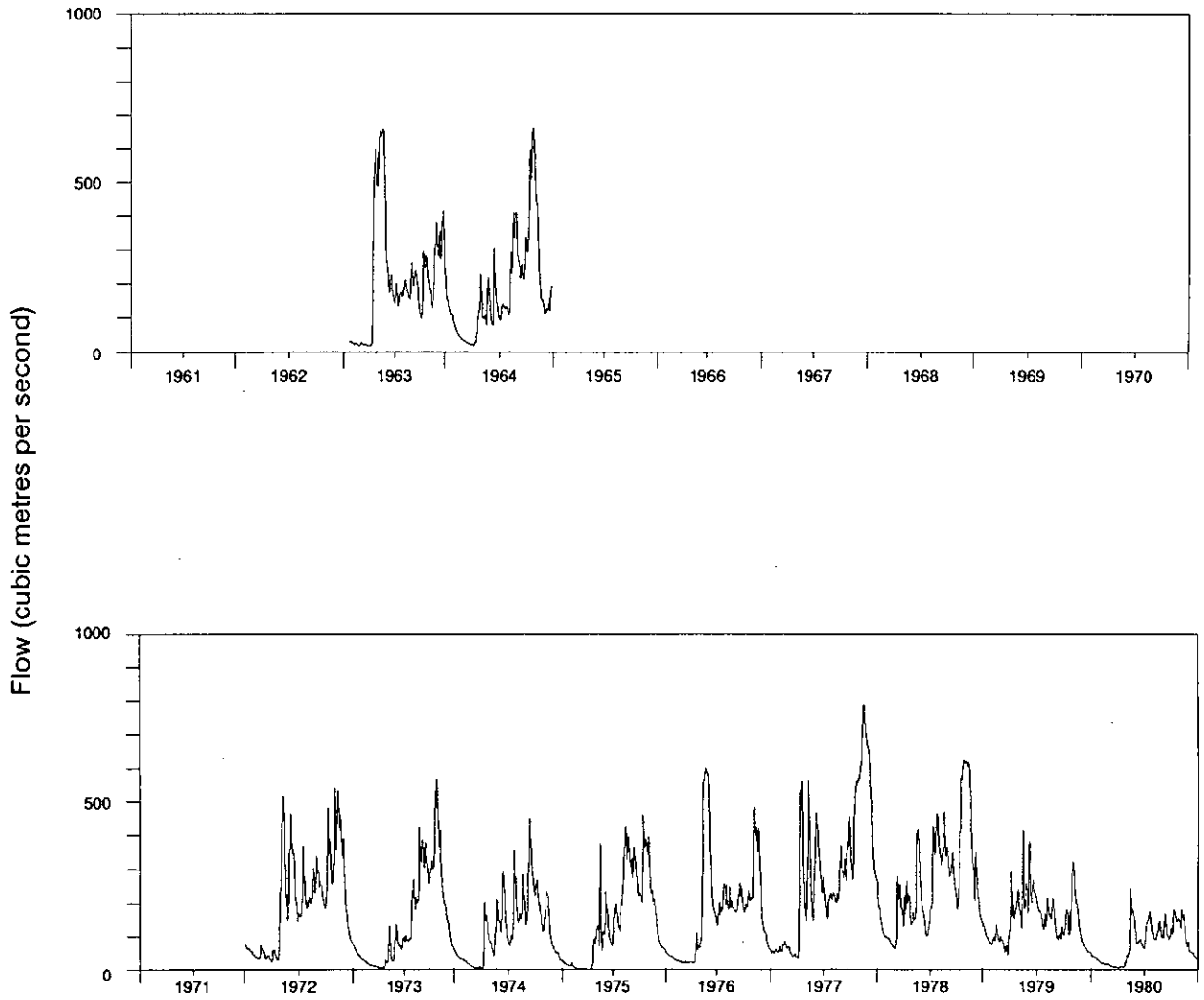


KAITOI

1963 - 1980



River Jubba: Daily mean flows for Kaitoi
for the period 1963 - 1964, 1972 - 1980



River Jubba at Kaitoi 1963

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	30.2	20.4e	18.5	488.3	286.4	150.0	165.4e	247.8	109.5	174.0	307.6
2	m	29.6	20.1e	17.6	510.0	272.6	142.4	163.7e	228.1	104.6	172.0	311.2
3	m	28.5	19.7	17.6	556.9	266.6	141.1	174.4e	218.7	97.8	182.7	283.1
4	m	27.2	19.7	18.2	586.6	261.7	150.2	186.5e	208.0	94.4	174.3	282.5
5	m	26.9	19.8	18.0	543.3	257.2	159.5	185.9e	197.0	102.9e	156.4	333.4
6	m	26.6	20.4	17.6	485.7	253.3	159.4	183.4e	189.7	119.8e	145.8	353.9
7	m	26.4	22.3	17.9	500.1	243.4	161.1	194.5	203.3	173.8	139.6	317.1
8	m	25.9	25.3	18.0	577.7	238.0	174.9	206.7	217.5	229.1	134.7	291.0
9	m	24.6	27.3	18.5	621.1	233.3	191.4	211.4	219.0	290.0	130.9	290.6
10	m	24.1	27.3	19.3	642.6	224.2	198.8	207.6	212.7	296.0	132.2	276.2
11	m	23.9	26.1	20.4	652.4	195.8e	189.5	200.0	220.9	281.7	135.9	272.5
12	m	23.5	25.1	22.8	650.3	184.9e	178.2	190.8	238.6	266.9	142.7	283.8
13	m	23.1	24.9	23.5	643.6	178.6e	164.4	183.5	240.2	255.1	155.7	339.2
14	m	23.2	24.0	23.1	636.1	174.4e	151.6	180.2	232.8	248.0	162.5	383.0
15	m	24.5	23.0	34.2	634.9	175.7e	141.9	179.4	229.9	246.1	174.4	378.9
16	m	25.9	22.1	45.0	641.7	184.7e	135.9	176.5	229.1	245.3	183.3	377.0
17	m	26.2	21.6	104.0e	646.2	199.1e	132.6	172.0	224.0	247.9	208.5	369.8
18	m	25.2	21.1	240.5	645.6	217.4e	134.7	164.6	212.3	256.6	251.9	373.9
19	m	24.9	20.8	403.0	653.3	228.3e	142.6	159.8	197.7	276.5	284.8	406.7
20	m	24.0	21.6	506.6	657.6	222.5e	148.5	159.9	181.7	282.4	282.9	413.3
21	m	23.1	22.5	520.8	658.9	210.6e	160.3	164.5	170.2	276.8	308.0	384.6
22	m	23.0	23.1	537.7	645.2	198.5e	167.8	165.0	158.1	270.3	304.9	347.4
23	m	22.6e	23.9	531.6	618.5	184.9e	171.3	162.8	145.9	257.5	293.4	314.5
24	m	22.3e	24.4	582.1	597.2	171.8e	173.4	158.2	137.7	247.3	333.0	282.2
25	m	21.9e	23.8	596.8	556.7	164.2e	173.8	154.5	131.5	236.7	358.1	255.3
26	m	21.5e	22.2	541.4	535.7	164.3e	169.2	159.9	127.8	220.0	379.1	234.8
27	31.8	21.1e	21.6	503.9	498.3	164.5e	163.3	173.3	122.9	207.5	377.0	218.1
28	31.7	20.8e	21.1	504.1	460.7	157.9e	159.9	199.1	119.0	200.0	354.2	202.2
29	31.3		20.6	504.5	430.4	150.4e	167.8	227.9	115.2	197.3	326.0	191.7
30	31.2		19.9	488.5	364.2	147.5e	179.1	256.9	110.8	190.3	305.3	183.1
31	30.7		19.6		311.9		180.9	262.6		181.9		176.5
Mean	-	24.7	22.4	230.5	569.4	207.1	161.8	184.9	189.6	216.5	228.8	304.4
Maximum	-	30.2	27.3	596.8	658.9	286.4	198.8	262.6	247.8	296.0	379.1	413.3
Minimum	-	20.8	19.6	17.6	311.9	147.5	132.6	154.5	110.8	94.4	130.9	176.5
Total	-	60	60	598	1525	537	433	495	491	580	593	815

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	302
Estimated values (Flag e)	:	37
Missing values (Flag m)	:	26

Comments :

River Jubba at Kaitoi 1964

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	164.9	64.0	32.9	20.1	176.4	120.9	104.2	118.8	372.6e	339.8e	540.3e	151.2e
2	161.9	61.2	32.7	19.4	164.0	111.3	91.1	116.2	347.5e	336.0e	516.8e	144.3e
3	157.2	58.5	31.8	19.2	129.2	103.3	91.3	113.1	317.9e	330.0e	490.4e	135.9e
4	152.2	56.9	31.2	18.9	101.9	96.3	92.9	111.5	291.5e	316.9e	471.2e	123.7e
5	147.6	55.0	30.6	19.1	94.8	88.7	92.4	108.2	276.2e	297.8e	457.8e	115.8e
6	144.8	52.8	29.7	21.2	95.5	83.7	93.4	109.7	273.5e	289.6e	448.9e	113.3e
7	139.7	50.1	29.1	24.3	97.2	80.5	100.9	119.7	276.7e	293.7e	444.1e	112.9e
8	135.1	49.7	28.6	28.7	102.7	78.0	111.9	139.6	274.3e	296.1e	438.5e	115.2e
9	128.2	49.7	28.0	30.6	104.7	75.3	128.2	216.3	269.4e	313.6e	428.1e	119.5e
10	126.1	49.5	27.1	28.7	100.5	76.5	138.9	272.0	258.9e	339.3e	421.6e	125.7e
11	122.9	47.9	26.5	28.5	98.7	109.6	139.1	293.8	243.4e	350.7e	408.4e	125.6e
12	115.7	47.1	26.0	38.5	97.0	252.3	136.6	291.0	230.5e	377.0e	385.3e	120.2e
13	109.9	46.0	25.5	52.0	102.9	305.1	139.7	266.1	219.6e	451.8e	361.2e	117.3e
14	108.6	45.2	25.1	55.5	106.6	275.2	144.2	238.7	215.3e	548.5e	337.3e	115.6e
15	109.5	44.0	24.9	52.6	98.4	244.1	141.9	231.2	218.4e	594.7e	313.7e	114.2e
16	111.3	42.3	24.6	53.9	85.6	224.3	135.8	232.4	230.1e	556.0e	292.6e	115.8e
17	110.4	38.9	24.5	75.7	76.7	208.9	130.5	259.6	249.0e	508.4e	271.4e	127.2e
18	110.0	40.1	24.4	109.5	80.8	193.1	128.4	342.1	258.0e	506.6e	246.2e	125.4e
19	109.0	40.1	24.0	108.8	124.3	180.1	128.9	408.2	256.7e	537.4e	225.4e	121.4e
20	106.2	38.7	23.5	113.9	153.1	169.1	132.9	407.0	249.6e	528.8e	214.0e	125.1e
21	100.0	37.5	22.7	117.8	173.6	157.7	132.0	373.7	236.9e	510.3e	203.8e	132.8e
22	91.6	36.8	22.5	123.2	199.5	149.0	130.9	351.5	223.4e	547.6e	190.4e	147.9e
23	92.0	36.3	22.4	122.3	218.5	140.0	129.2	337.4	215.8e	624.3e	179.5e	157.2e
24	87.6	35.7	21.7	126.7	212.2	133.7	128.2	335.9	211.5e	660.0e	171.3e	155.7e
25	83.0	35.1	21.5	158.6	204.0	127.3	128.2	352.5	210.4e	660.0e	161.3e	136.1e
26	80.4	34.5	21.0	229.4	183.0	120.8	133.2	375.6	215.8e	660.0e	153.4e	120.6e
27	77.9	33.5	22.1	228.4	178.4	114.1	135.2	404.3	229.7e	660.0e	149.0e	121.6e
28	74.3	32.9	23.8	188.5	173.3	105.5	133.3	410.2	257.9e	660.0e	147.8e	144.6e
29	71.3	32.9	24.1	158.1	159.8	99.9	128.4	407.2	307.0e	646.7e	148.6e	162.3e
30	68.5		22.2	161.1	143.9	97.7	124.4	405.5	336.7e	603.4e	151.6e	175.2e
31	66.7		20.8		131.2		120.4	405.4		563.5e		191.9e
Mean	111.8	44.6	25.7	84.4	134.5	144.1	123.4	276.0	259.1	480.9	312.3	132.6
Maximum	164.9	64.0	32.9	229.4	218.5	305.1	144.2	410.2	372.6	660.0	540.3	191.9
Minimum	66.7	32.9	20.8	18.9	76.7	75.3	91.1	108.2	210.4	289.6	147.8	112.9
Total	299	112	69	219	360	373	331	739	672	1288	810	355

(Total flows in million cubic metres per month)

Annual statistics

Mean : 177.9 (cubic metres per second)
Maximum : 660.0 (cubic metres per second)
Minimum : 18.9 (cubic metres per second)
Total : 5627 (million cubic metres)

Data availability

Original values : 244
Estimated values (Flag e) : 122
Missing values (Flag m) : 0

Comments : Observations discontinued from September

River Jubba at Kaitoi 1972

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	76.5e	43.2e	63.7e	23.1e	267.0e	407.2e	168.9e	184.0	319.4	185.6	278.2	382.3
2	73.6e	42.8e	60.2e	26.6e	291.5e	425.1e	166.5e	188.1	294.5	181.1	348.5	387.5
3	71.7e	42.0e	57.6e	35.6e	347.8e	432.1e	163.3e	191.8	288.4	184.8	474.0	368.5
4	69.7e	40.7e	56.6e	51.2e	418.9e	461.6e	162.1e	202.5	295.9	195.5	536.1	344.7
5	67.7e	39.5e	55.3e	58.7e	436.4e	437.7e	166.0e	208.0	297.9	211.1	541.1	317.4
6	65.1e	38.0e	52.3e	57.5e	424.7e	392.7e	165.1e	212.9	283.2	226.1	489.9	291.0
7	62.5e	36.7e	48.8e	56.8e	451.2e	379.7e	161.1e	219.0	262.4	238.7	412.0	269.3
8	61.9e	36.3e	45.4e	57.8e	495.6e	373.4e	158.7e	216.3	246.7	241.3	353.3	250.0
9	63.3e	36.6e	41.9e	56.6e	517.7e	359.2e	159.0e	208.7	245.2	238.7	387.7	233.4
10	63.8e	36.7e	39.0e	52.4e	509.5e	346.2e	165.9e	204.6	259.6	272.1	443.1	219.3
11	63.9e	36.0e	36.2e	48.3e	505.5e	342.5e	174.8e	200.7	262.3	408.5	444.9	205.3
12	64.9e	35.4e	33.6e	43.1e	504.3e	358.0e	182.5e	199.9	253.0	478.2	435.1	189.6
13	65.0e	35.0e	31.6e	38.6e	433.4e	358.0e	190.9e	204.1	249.8	479.4	463.6	180.6
14	63.8e	34.7e	31.3e	35.7e	349.8e	339.0e	217.2e	211.5	261.7	421.8	502.2	171.3
15	63.0e	34.3e	33.5e	32.9e	320.5e	315.2e	296.2e	213.4	267.8	389.7	533.7	162.3
16	61.7e	34.0e	37.1e	31.7e	311.0e	295.6e	365.6e	213.5	264.6	386.8	535.1	158.7
17	58.5e	33.1e	40.1e	31.1e	287.0e	279.5e	365.4e	221.6	256.4	380.0	499.1	148.0
18	55.2e	32.4e	41.2e	30.0e	257.3e	261.6e	324.3	248.0	252.4	370.7	462.8	140.6
19	54.0e	32.4e	40.7e	29.0e	229.6e	242.6e	300.2	291.4	250.4	351.0	429.8	134.7
20	54.0e	32.6e	40.6e	28.9e	204.3e	225.4e	282.1	304.7	246.1	340.9	416.6	129.1
21	54.0e	32.4e	41.0e	30.3e	181.4e	212.3e	279.5	298.6	241.2	342.0	431.8	123.5
22	54.0e	33.3e	37.2e	33.7e	163.8e	201.8e	255.4	286.2	234.9	318.7	457.8	117.5
23	54.0e	37.8e	34.6e	45.4e	152.3e	195.0e	240.2	271.1	225.8	301.0	460.5	112.8
24	54.0e	51.4e	33.5e	68.0e	147.1e	192.3e	227.6	253.6	220.6	293.8	435.5	108.5
25	53.9e	68.7e	31.9e	112.1e	151.3e	190.9e	216.9	238.6	216.0	278.9	405.6	104.7
26	52.4e	74.8e	30.1e	168.7e	228.9e	179.4e	206.1	231.0	206.9	262.4	385.8	100.0
27	48.9e	72.3e	28.4e	212.8e	328.6e	159.7e	197.8	240.5	204.0	253.6	369.3	96.5
28	45.5e	70.1e	26.6e	233.2e	358.3e	144.7e	194.3	261.2	203.5	268.2	350.3	93.2
29	43.4e	67.4e	24.3e	238.2e	267.4e	148.0e	188.5	284.3	196.0	279.5	339.9	89.9
30	43.1e		22.9e	245.9e	200.1e	161.6e	183.2	326.8	189.0	277.6	356.3	86.7
31	43.4e		22.3e		308.0e		180.7	339.4		272.9		83.9
Mean	58.9	42.8	39.3	73.8	324.2	293.9	216.3	237.9	249.9	301.0	432.6	187.1
Maximum	76.5	74.8	63.7	245.9	517.7	461.6	365.6	339.4	319.4	479.4	541.1	387.5
Minimum	43.1	32.4	22.3	23.1	147.1	144.7	158.7	184.0	189.0	181.1	278.2	83.9
Total	158	107	105	191	868	762	579	637	648	806	1121	501

(Total flows in million cubic metres per month)

Annual statistics

Mean : 205.1 (cubic metres per second)
Maximum : 541.1 (cubic metres per second)
Minimum : 22.3 (cubic metres per second)
Total : 6485 (million cubic metres)

Data availability

Original values : 167
Estimated values (Flag e) : 199
Missing values (Flag m) : 0

Comments : Observations resumed in July

River Jubba at Kaitoi 1973

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	81.6	35.8	16.7	7.6	24.2	86.5	97.8	234.6	351.0	293.2	384.9	148.2
2	79.6	34.6	15.8	7.1	22.7	88.1	96.9	221.7	369.9	299.7	364.3	148.0
3	77.7	33.5	15.0	7.1	19.6	100.7	93.2	216.0	378.0	316.2	363.6	145.4
4	77.9	32.9	14.5	7.0	19.0	127.3	89.3	249.6	382.1	325.8	376.6	139.0
5	77.4	32.4	13.5	6.5	21.6	135.3	86.6	270.3	381.5	322.3	387.4	138.2
6	77.1	32.3	13.4	6.4	21.7	136.6	83.7	251.5	371.8	321.6	381.9	126.4
7	75.7	31.8	13.3	6.4	22.3	132.0	82.9	224.8	347.4	316.4	374.3	117.8
8	73.3	31.2	13.0	5.9	48.4	127.3	89.5	205.7	326.1	312.3	416.3	109.4
9	69.9	30.7	12.6	5.8	107.5	121.9	102.9	197.0	311.8	309.7	334.5	105.9
10	66.9	30.2	12.6	5.4	105.4	111.7	104.9	178.9	305.0	307.9	302.3	99.3
11	64.6	29.6	12.5	5.3	123.4	99.9	99.9	202.2	306.3	303.7	285.7	94.2
12	61.9	29.1	11.9	5.1	132.8	88.7	94.9	219.3	328.5	297.3	272.5	90.5
13	59.7	28.6	11.8	5.3	94.1	81.1	90.8	204.0	355.6	301.9	258.0	85.9
14	57.2	28.0	11.5	5.3	67.6	77.7	87.7	199.2	370.7	311.0	243.4	81.4
15	55.5	27.1	11.1	5.3	56.6	72.7	86.2	197.8	376.1	328.6	234.9	78.6
16	53.1	26.9	11.1	5.3	42.8	67.7	86.9	201.4	359.7	341.5	230.1	75.2
17	51.7	26.0	11.4	5.5	36.1	68.1	88.4	205.8	344.2	343.0	222.2	72.6
18	51.0	25.1	11.1	5.6	33.4	72.5	86.2	209.7	331.1	369.2	216.8	69.8
19	50.3	24.4	11.1	5.7	31.2	75.2	85.6	210.0	322.3	406.0	210.8	66.9
20	49.7	23.1	11.1	5.4	29.2	74.1	88.7	208.3	319.8	456.3	207.9	64.7
21	49.0	22.0	10.7	6.7	27.5	71.0	94.2	208.0	315.1	503.5	204.3	62.6
22	47.8	20.8	10.4	6.4	26.1	66.3	96.3	212.6	296.5	532.1	198.6	61.0
23	46.5	20.3	10.4	7.1	25.0	62.5	96.3	252.5	276.5	532.5	195.9	58.5
24	45.2	20.1	10.3	7.9	24.0	59.2	94.7	344.6	264.6	525.2	193.4	56.4
25	44.2	19.3	9.8	8.3	23.1	60.6	92.7	424.0	257.8	560.1	188.7	54.8
26	43.8	18.4	9.6	10.7	24.1	64.1	93.1	419.2	257.2	568.2	179.3	52.5
27	42.8	17.6	9.1	27.1	31.8	68.5	96.3	381.3	261.3	543.3	166.7	51.0
28	41.6	17.4	8.9	29.5	41.0	74.8	121.6	350.1	277.0	526.9	156.5	49.6
29	40.4		8.7	25.5	49.6	85.1	167.7	327.3	288.7	502.0	150.0	47.8
30	39.2		8.3	24.2	71.5	95.2	217.2	319.2	290.6	455.3	148.4	46.0
31	37.8		8.0		83.8		239.0	326.6		421.4		45.3
Mean	57.7	26.7	11.6	9.1	48.0	88.4	104.3	254.0	324.1	395.3	261.7	85.3
Maximum	81.6	35.8	16.7	29.5	132.8	136.6	239.0	424.0	382.1	568.2	416.3	148.2
Minimum	37.8	17.4	8.0	5.1	19.0	59.2	82.9	178.9	257.2	293.2	148.4	45.3
Total	155	65	31	24	129	229	279	680	840	1059	678	228

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	139.4	(cubic metres per second)
Maximum	:	568.2	(cubic metres per second)
Minimum	:	5.1	(cubic metres per second)
Total	:	4397	(million cubic metres)

Data availability

Original values	:	365
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	0

Comments : Very limited Gu floods

River Jubba at Kaitoi 1974

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	43.8	26.3	8.6	5.0	83.4	124.5	85.2	174.7	134.5	227.8	123.0	79.2
2	42.8	25.1	8.0	5.0	81.0	119.6	83.3	158.1	140.5	222.0	128.8	76.4
3	41.6	23.9	7.5	5.0	77.9	118.6	80.4	149.1	147.5	221.3	137.2	73.6
4	40.4	22.5	6.0	5.5	72.6	115.3	77.3	146.4	149.9	233.1	144.1	71.3
5	39.2	21.2	5.3	10.1	62.8	110.2	74.4	144.8	151.8	248.3	149.8	69.1
6	38.1	20.2	5.0	26.1	57.8	111.8	72.6	141.2	163.9	267.1	157.4	67.7
7	37.3	19.3	4.5	74.3	54.5	188.0	70.7	142.0	182.1	268.1	157.4	66.7
8	36.3	18.5	4.3	172.5	52.3	260.3	70.0	147.4	208.1	267.8	169.7	64.6
9	35.2	18.0	4.2	204.2	50.0	278.1	72.8	153.9	266.4	267.2	188.0	61.9
10	34.5	17.5	4.0	198.4	46.1	275.6	85.3	159.9	307.5	262.5	215.8	59.7
11	33.9	17.0	4.0	182.8	43.5	281.7	99.9	168.3	331.1	253.0	230.7	57.1
12	32.9	16.2	3.7	160.7	41.4	294.6	103.9	165.1	345.2	235.3	234.4	55.0
13	32.3	15.4	3.3	148.5	38.9	288.6	100.0	159.2	392.2	222.9	232.0	53.1
14	31.3	14.9	3.2	145.5	38.5	275.0	96.3	153.4	450.8	212.5	234.4	51.7
15	30.8	14.1	2.9	147.3	47.3	253.0	91.8	150.4	446.8	203.3	231.5	50.3
16	30.7	13.1	2.8	159.6	93.4	235.9	89.6	155.3	419.0	198.9	225.3	48.5
17	30.7	12.6	4.1	162.1	128.1	222.7	92.3	162.1	399.5	194.3	218.8	47.5
18	30.7	12.2	5.2	149.6	111.7	208.2	105.9	166.9	373.5	193.4	203.2	48.5
19	30.8	11.6	7.1	132.3	134.0	183.6	126.3	167.3	350.6	196.4	189.8	50.0
20	31.2	11.7	7.4	117.8	213.5	167.2	149.3	197.0	328.9	189.5	174.4	49.5
21	31.6	11.1	7.4	108.6	173.6	153.8	222.7	260.2	314.6	176.7	164.0	48.1
22	31.2	10.7	7.2	106.7	147.2	147.9	336.0	285.3	307.6	169.0	152.7	51.8
23	30.2	10.3	6.5	105.0	157.1	130.5	352.8	260.3	297.5	159.7	138.6	52.2
24	29.2	9.8	6.1	99.0	207.3	115.0	324.2	234.5	283.4	148.0	125.0	44.0
25	28.6	9.7	6.7	92.6	189.8	108.5	294.6	213.8	266.6	140.7	114.8	38.5
26	28.0	9.5	5.5	87.7	164.0	103.8	277.0	206.5	257.8	135.5	106.9	36.8
27	27.5	8.8	5.1	84.5	151.3	97.4	264.0	192.1	255.2	129.1	100.8	35.2
28	26.6	8.7	5.0	83.4	147.9	91.8	257.5	176.9	250.0	122.8	95.6	34.0
29	26.5		5.0	86.0	148.5	88.6	276.4	176.3	240.2	117.3	90.5	32.7
30	26.5		5.0	85.1	144.6	87.3	221.4	149.7	235.8	113.6	84.4	30.4
31	26.5		4.8		135.4		198.5	138.8		115.4		29.7
Mean	32.8	15.4	5.3	105.0	106.3	174.6	156.5	176.0	279.9	197.2	164.0	52.7
Maximum	43.8	26.3	8.6	204.2	213.5	294.6	352.8	285.3	450.8	268.1	234.4	79.2
Minimum	26.5	8.7	2.8	5.0	38.5	87.3	70.0	138.8	134.5	113.6	84.4	29.7
Total	88	37	14	272	285	452	419	471	726	528	425	141

(Total flows in million cubic metres per month)

Annual statistics

Mean : 122.4 (cubic metres per second)
Maximum : 450.8 (cubic metres per second)
Minimum : 2.8 (cubic metres per second)
Total : 3859 (million cubic metres)

Comments :

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

River Jubba at Kaitoi 1975

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	30.0	10.7	4.4	0.7	75.2	106.9	73.5	192.9	324.3	225.0	342.5	143.9e
2	29.1	10.5	4.0	0.5	76.5	106.8	97.2	194.9	322.5	220.6	370.1	135.3e
3	28.2	10.7	3.8	0.6	94.0	107.1	114.4	193.9	320.6	224.6	381.4	127.0e
4	27.9	11.1	3.7	0.4	99.1	108.2	126.4	194.1	314.1	232.5	392.9	119.3e
5	27.0	11.3	3.7	0.4	94.7	163.8	151.6	207.4	306.0	231.1	375.3	113.2e
6	26.1	13.8	3.1	0.3	104.8	233.4	160.1	242.9	314.9	229.4	356.1	108.7e
7	25.4	22.9	2.8	0.2	122.9	214.7	170.4	262.3	327.3	225.5	322.0	104.8e
8	24.6	23.8	2.6	0.1	119.5	195.5	181.5	267.2	332.2	218.6	290.5	100.8e
9	24.0	18.7	2.6	0.0	125.4	189.7	189.8	266.6	314.0	220.0	263.6	96.7e
10	23.5	12.9	2.2	0.0	132.7	187.5	194.3	270.7	290.0	219.4	248.6	92.1e
11	22.5	11.1	2.0	0.0	133.3	186.8	198.8	303.8	278.7	212.7	237.2	88.3e
12	21.2	9.9	2.0	0.0	125.5	180.1	188.9	325.0	273.7	205.9	230.2	85.1e
13	20.2	8.1	1.7	0.0	94.3	152.5	180.2	348.8	303.5	203.6	229.1	81.7e
14	19.3	6.9	1.8	0.0	77.2	137.0	174.7	370.4	333.3	234.5	237.5	79.2e
15	18.8	6.7	1.6	0.0	69.9	132.0	170.5	390.6	353.5	346.2	237.5	77.4e
16	18.3	6.5	1.4	0.0	76.7	127.4	165.9	395.7	362.7	434.6	226.8	76.1e
17	17.5	6.7	1.4	0.0	119.0	113.6	153.4	421.3	360.2	458.4	212.5	74.7e
18	16.7	6.7	1.4	0.2	372.8	104.3	142.3	424.2	354.7	428.7	205.8	72.7e
19	16.2	6.4	1.3	4.4	362.4	101.2	137.1	413.3	346.7	394.5	207.2	71.1e
20	15.7	6.2	1.3	13.6	248.7	93.5	135.6	392.6	330.9	373.7	211.4	69.9e
21	14.4	5.8	1.3	14.3	154.5	91.4	133.4	350.0	316.9	361.7	214.8	68.6e
22	14.1	5.3	1.3	13.9	94.4	89.4	128.8	326.9	308.2	360.5	211.1	67.1e
23	13.8	4.8	1.2	13.1	69.5	84.7	123.5	327.4	301.9	370.0	204.6	66.0e
24	13.3	4.5	0.8	24.6	58.1	82.1	127.4	342.6	304.4	381.0	197.3	65.1e
25	12.6	4.5	0.5	80.1	56.2	81.1	127.4	350.8	305.7	388.4	192.2	64.5e
26	12.2	4.5	2.5	93.1	69.3	80.0	121.4	354.5	290.3	379.6	191.6	64.1e
27	11.8	4.5	3.3	87.4	97.6	76.5	116.5	384.2	266.4	369.1	184.7e	64.2e
28	11.5	4.5	2.6	87.8	110.0	73.1	136.7	393.0	248.0	370.5	174.4e	63.7e
29	11.1		1.8	82.3	113.9	72.0	177.2	385.8	236.3	375.6	163.5e	63.3e
30	11.1		1.2	78.1	117.0	71.2	203.2	380.0	230.7	370.5	153.5e	63.1e
31	11.1		1.0		113.2		203.2	340.5		351.6		61.7e
Mean	19.0	9.3	2.1	19.9	121.9	124.8	151.8	323.0	309.1	310.3	248.9	84.8
Maximum	30.0	23.8	4.4	93.1	372.8	233.4	203.2	424.2	362.7	458.4	392.9	143.9
Minimum	11.1	4.5	0.5	0.0	56.2	71.2	73.5	192.9	230.7	203.6	153.5	61.7
Total	51	22	6	52	326	323	407	865	801	831	645	227

(Total flows in million cubic metres per month)

Annual statistics

Mean : 144.5 (cubic metres per second)
Maximum : 458.4 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 4557 (million cubic metres)

Data availability

Original values : 330
Estimated values (Flag e) : 35
Missing values (Flag m) : 0

Comments : End of year recession flows estimated because values from original data much higher than at other stations

River Jubba at Kaitoi 1976

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	59.8e	34.5e	23.2	22.4	71.5	585.1	146.0e	194.3	175.7	183.0	214.4	197.1e
2	58.1e	33.7e	22.5	22.5	72.8	586.5	137.3e	253.5	174.8	179.8	229.4	172.6e
3	56.3e	32.8e	21.6	22.5	70.8	585.7	132.7e	235.5	175.3	176.6	253.6	151.7e
4	54.5e	32.0e	20.7	22.1	69.6	567.0	138.9e	217.6	174.7	173.6	292.6	141.3e
5	52.8e	31.3e	20.1	22.1	67.5	531.3	144.7e	206.0	174.3	171.6	363.0	135.8e
6	51.1e	30.7e	19.0	22.0	65.4	510.9	143.7e	195.8	172.5	170.7	463.8	131.4e
7	49.7e	29.9e	18.8	21.1	66.9	485.3	156.1e	186.0	170.8	173.4	467.3	123.4e
8	48.8e	29.1e	20.8	20.3	65.8	453.6	180.2e	181.9	171.7	187.5	482.2	116.2e
9	48.0e	28.7e	21.1	19.9e	72.2	410.9	200.0e	179.4	174.6	197.3	466.0	112.6e
10	46.8e	28.7e	20.9	19.6e	88.4	367.3	202.2e	184.9	178.1	195.6	415.4	113.4e
11	45.7e	28.4e	21.9	19.3e	92.1	332.7	191.5e	213.2	185.7	195.9	398.0	116.2e
12	44.8e	28.0e	22.1	19.0e	87.6	297.5	176.0e	230.8	202.8	190.7	409.0	115.4e
13	44.1e	27.5e	22.5	18.7e	98.7	269.7	161.4e	246.1	215.9	186.4	413.3	112.4e
14	43.6e	27.0e	22.9	18.6e	216.6	254.5	172.8e	222.4	220.9	184.6	424.6	111.7e
15	42.7e	26.7e	22.5	20.0e	341.7	241.1	171.4e	204.2	222.3	188.3	413.0	111.2e
16	41.6e	26.6e	22.1	21.0e	475.4e	225.2	174.5e	192.2	232.8	204.6	390.4	106.8e
17	40.7e	26.6e	21.6	21.1e	503.1e	205.4	187.7e	185.4	233.7	215.2	364.5	101.2e
18	39.8e	26.4e	21.2	34.9e	516.9e	196.0	190.1e	182.9	218.6	222.3	347.9	90.9e
19	39.3e	26.2e	21.0	54.3e	539.3e	189.9	184.4e	192.4	220.2	237.2	349.5	84.5e
20	39.1e	25.9e	20.3	56.5e	555.9e	187.1	176.9e	202.8	242.7	235.5	403.7	79.9e
21	39.1e	25.7e	20.2	50.9e	563.4e	183.9	178.1e	210.3	259.5	224.6	420.8	75.8e
22	39.1e	25.4e	20.1	66.4e	569.5e	179.8	191.2e	194.3	254.5	217.0	407.6	72.9e
23	39.4e	25.0e	19.7	98.0e	577.0	176.0	227.2e	190.3	246.7	210.7	377.8	68.9e
24	40.0e	24.8e	19.3	112.4e	580.1	174.7	253.5e	188.2	242.4	208.7	344.5	66.7e
25	40.4e	24.7e	19.0	111.7e	584.1	174.3	253.2e	185.2	236.8	216.2	323.3	64.6e
26	39.9e	24.5e	19.5	104.2e	584.9	172.0	253.7e	183.2	225.0	214.1	305.9	62.7e
27	38.7e	24.4e	21.2	83.6e	594.0	166.2	255.0e	182.7	213.5	212.8	277.3	62.5e
28	37.4e	25.0	21.3	65.2e	598.2	159.5	250.9e	181.0	207.9	213.6	259.8	62.5e
29	36.5e	24.7	21.9	58.8e	592.1	155.9	245.0e	179.8	201.1	214.5	248.0	60.5e
30	35.7e		21.6	64.3e	588.2	156.9	237.8e	178.7	187.8	213.5	216.7e	57.5e
31	35.0e		21.4		585.3		216.2e	177.6		211.8		56.6e
Mean	44.1	27.8	21.0	43.8	340.5	306.1	191.3	198.7	207.1	200.9	358.1	101.2
Maximum	59.8	34.5	23.2	112.4	598.2	586.5	255.0	253.5	259.5	237.2	482.2	197.1
Minimum	35.0	24.4	18.8	18.6	65.4	155.9	132.7	177.6	170.8	170.7	214.4	56.6
Total	118	70	56	113	912	793	512	532	537	538	928	271

(Total flows in million cubic metres per month)

Annual statistics

Mean : 170.2 (cubic metres per second)
Maximum : 598.2 (cubic metres per second)
Minimum : 18.6 (cubic metres per second)
Total : 5381 (million cubic metres)

Data availability

Original values : 216
Estimated values (Flag e) : 150
Missing values (Flag m) : 0

Comments : Start and end of year recession flows estimated because values from original data much higher than at other stations

River Jubba at Kaitoi 1977

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	55.1e	61.7e	64.7	34.9	156.7	296.5	276.8	221.0	344.5	434.7	562.5	666.3
2	51.9e	67.3e	66.0	34.1	146.7	331.1	261.1	230.1	322.0	413.3	567.2	664.6
3	49.6e	69.2e	66.9	34.0	170.1	320.8	250.0	234.3	302.1	381.8	575.8	662.2
4	48.4e	67.7e	67.5	34.1	179.5	316.7	242.8	231.1	288.1	359.2	580.1	654.4
5	48.2e	64.1e	67.0	35.0	202.9	324.0	237.1	228.3	290.5	332.3	584.5	637.9
6	49.9e	58.5e	64.2	35.0	327.1	365.3	227.9	224.5	288.1	307.0	587.4	625.3
7	52.8e	54.6	65.3	38.2	340.8	416.7	221.3	218.2	278.8	284.0	594.6	616.6
8	55.5e	52.4	62.5	69.3	303.3	456.0	213.5	217.6	272.2	270.2	601.5	613.3
9	56.4e	54.4	58.3	122.5	298.9	466.1	204.8	214.3	293.9	265.4	610.1	583.9
10	55.7e	56.5	54.0	239.7	350.5	446.8	196.9	208.3	328.8	270.3	629.6	561.1
11	54.0e	52.8	51.5	249.9	484.1	428.6	186.3	203.9	332.1	279.9	647.7	525.6
12	51.7e	56.6	48.5	329.8	564.1	428.4	166.4	201.5	328.6	271.4	670.5	483.0
13	49.8e	70.4	46.2	452.3	535.5	427.0	158.4	200.3	313.5	290.7	709.0	444.0
14	47.9e	75.9	45.6	533.2	514.9	406.1	154.0	201.5	296.8	341.8	748.3	415.9
15	46.4e	76.1	43.9	522.6	488.5	379.8	150.9	216.4	282.0	438.4	759.4	377.9
16	46.8e	73.7	41.6	540.3	426.8	363.4	160.9	227.9	270.5	473.2	777.5	352.5
17	49.6e	72.3	39.4	561.5	387.9	358.3	186.4	227.2	266.7	501.0	787.5	333.2
18	54.6e	74.4	38.5	522.3	375.4	350.8	197.8	217.3	301.1	518.0	788.9	323.0
19	59.6e	84.9	37.6	475.1	353.1	342.1	210.0	209.2	345.6	529.3	778.7	316.1
20	62.2e	85.5	38.1	466.6	305.5	330.9	214.2	207.8	379.8	534.9	756.0	309.2
21	60.2e	78.1	39.2	419.4	270.4	320.3	213.9	206.9	378.0	527.9	745.5	300.7
22	56.5e	74.5	40.9	340.8	247.2	304.5	215.2	216.2	361.7	544.1	734.0	293.2
23	54.3e	73.0	42.2	277.5	231.1	289.2	219.3	253.1	354.2	555.0	723.9	288.2
24	53.5e	69.2	43.9	241.4	211.9	275.6	223.9	309.4	359.3	560.9	710.9	286.2
25	51.7e	66.2	45.3	223.9	192.3	264.0	228.2	325.9	361.2	558.3	701.4	283.1
26	49.2e	64.2	46.5	209.2	162.3	251.8	229.6	309.7	368.1	547.5	692.6	281.2
27	48.0e	63.4	44.0	195.8	149.7	238.4	223.9	305.4	385.3	562.7	683.8	278.0
28	47.6e	63.4	40.8	187.4	146.7	229.9	217.2	344.4	426.1	568.2	675.4	275.6
29	47.9e		37.2	175.0	161.5	233.1	211.7	366.2	453.1	569.7	670.2	268.2
30	50.1e		35.7	164.8	172.6	253.3	209.3	361.9	452.9	569.0	668.0	261.6
31	55.0e		34.8		237.4		214.6	354.7		569.9		255.4
Mean	52.3	67.2	49.0	258.8	293.4	340.5	210.5	248.2	334.2	439.7	677.4	427.0
Maximum	62.2	85.5	67.5	561.5	564.1	466.1	276.8	366.2	453.1	569.9	788.9	666.3
Minimum	46.4	52.4	34.8	34.0	146.7	229.9	150.9	200.3	266.7	265.4	562.5	255.4
Total	140	163	131	671	786	883	564	665	866	1178	1756	1144

(Total flows in million cubic metres per month)

Annual statistics

Mean : 283.6 (cubic metres per second)
Maximum : 788.9 (cubic metres per second)
Minimum : 34.0 (cubic metres per second)
Total : 8945 (million cubic metres)

Data availability

Original values : 328
Estimated values (Flag e) : 37
Missing values (Flag m) : 0

Comments : Highest level on record during Der flood

River Jubba at Kaitoi 1978

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	216.2	100.1	64.8	132.6e	141.9	220.9	143.8	371.5	338.3	186.4	621.3	207.8
2	210.1	99.7	63.9	141.4e	141.3	212.8	147.8	356.4	337.6	176.9	620.2	216.6
3	202.2	98.2	62.7	154.8	148.3	207.6	167.5	349.2	321.5	178.9	618.1	262.4
4	193.3	97.4	62.6	160.8	170.8	185.4e	188.6	342.6	292.2	188.2	615.8	326.6
5	188.6	97.3	63.5	212.6	155.4e	174.3e	191.6	346.2	281.3	193.1	617.3	347.4
6	186.3	97.2	66.4	225.3	150.6e	175.9e	185.8	359.0	279.8	205.0	613.0	350.1
7	185.1	96.5	71.3	210.5	153.9e	180.5e	183.2	341.8	277.6	214.8	607.2	318.9
8	184.0	95.6	76.7	187.4	153.5e	178.2e	182.7	323.3	282.0	230.4	605.9	299.9
9	180.1	94.8	104.3	176.9	149.1e	171.7e	184.5	311.5	291.6	257.2	611.8	286.8
10	161.2	94.0	251.8	234.4	149.0e	160.1e	214.8	313.4	307.4	351.4	619.2	268.6
11	152.2	93.1	278.2	267.0	151.6e	149.6e	296.2	325.1	310.5	397.3	620.8	248.5
12	145.3	91.5	272.0	227.5	156.2e	142.6e	398.2	335.6	303.9	409.3	616.0	235.6
13	138.7	89.8	261.0	200.2	207.8e	136.5e	425.9	337.2	309.1	407.2	605.3	224.9
14	133.1	87.5	251.0	219.6	289.2e	134.2e	416.0	345.2	321.3	405.9	587.0	213.9
15	129.1	85.2	234.9	232.4	360.9	131.0e	406.8	354.3	335.3	408.4	570.1	204.8
16	125.3	83.5	215.9	222.9	375.1	123.3e	405.7	371.5	349.9	416.8	553.0	196.3
17	121.2	81.6	209.5	204.0	395.4	115.6e	400.7	409.5	343.0	461.2	534.7	184.9
18	119.0	78.4	237.9	216.3	406.6	110.2e	395.2	460.9	326.6	559.5	532.5	178.1
19	117.0	77.2	254.5	217.6	408.8	105.7e	359.2	471.5	309.7	577.9	502.9	174.3
20	113.7	75.9	242.5	219.3	416.6	102.6e	341.1	444.0	294.3	575.8	424.1	169.2
21	110.4	75.0	230.1e	221.2	400.0	100.5e	356.4	408.5	279.3	566.4	389.7	163.6
22	108.4	74.2	213.4e	217.5	390.4	99.8e	373.2	382.1	261.7	594.2	365.7	160.3
23	106.7	73.7	193.7e	195.3	386.1	102.8e	404.7	356.8	256.9	590.7	349.1	157.8
24	104.9	73.6	185.3e	167.5	377.5	107.7e	421.5	343.3	248.6	604.9	332.7	153.4
25	103.3	70.1	182.1e	143.6	361.2	108.9e	450.3	337.1	247.0	620.9	321.8	149.6
26	102.4	68.3	180.2e	134.5	333.8	117.6	461.0	340.4	244.9	621.7	313.9	142.9
27	101.6	66.9	179.8e	132.9	309.9	125.0	464.8	355.0	241.5	619.8	301.3	138.5
28	101.2	66.0	183.8e	137.0	295.2	126.2	460.1	362.9	232.6	617.5	285.9	134.7
29	99.2		177.8e	138.7	275.0	132.1	447.7	359.5	225.0	619.2	268.0	131.6
30	98.1		147.7e	140.5	257.7	143.2	441.0	349.9	209.8	616.2	221.7	133.1
31	97.8		126.9e		233.9		423.2	342.8		612.4		141.1
Mean	139.9	85.1	172.5	189.7	267.8	142.8	333.5	361.6	288.7	435.0	494.9	210.4
Maximum	216.2	100.1	278.2	267.0	416.6	220.9	464.8	471.5	349.9	621.7	621.3	350.1
Minimum	97.8	66.0	62.6	132.6	141.3	99.8	143.8	311.5	209.8	176.9	221.7	131.6
Total	375	206	462	492	717	370	893	968	748	1165	1283	564

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	261.4	(cubic metres per second)
Maximum	:	621.7	(cubic metres per second)
Minimum	:	62.6	(cubic metres per second)
Total	:	8243	(million cubic metres)

Data availability

Original values	:	320
Estimated values (Flag e)	:	45
Missing values (Flag m)	:	0

Comments : Original data dubious in March, May and June, so replaced by estimated values

River Jubba at Kaitoi 1979

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	137.9	94.1	101.5	108.9	218.2	167.8	218.5	145.1	178.4	106.8	281.5	103.1
2	133.9	98.9	100.5	122.2	196.6	175.3	215.5	136.9	161.0	104.7	297.3	98.5
3	130.2	101.8	96.6	133.3	185.9	215.2	210.4	133.7	147.8	107.4	304.4	95.7
4	127.4	100.9	93.3	141.9	181.8	296.1	205.8	130.4	138.7	115.1	323.5	93.3
5	125.4	95.5	90.6	169.9	177.7	361.7	201.5	129.1	130.8	121.8	324.6	87.2
6	122.9	89.5	87.7	287.1	174.0	380.3	197.8	131.8	122.0	129.2	311.2	83.6
7	116.5	86.4	86.5	292.0	171.7	367.5	192.2	159.7	114.9	143.6	299.2	81.2
8	110.6	87.3	88.7	249.7	159.8	335.3	184.6	203.2	110.0	160.2	293.0	79.6
9	107.7	92.1	88.3	220.6	150.3	299.3	179.9	217.8	105.2	171.4	280.7	78.0
10	106.3	96.7	82.8	209.4	142.5	271.6	176.6	205.0	101.5	180.3	296.7	76.0
11	103.4	102.9	77.2	202.5	135.3	247.2	173.8	191.7	98.0	179.8	263.6	75.5
12	101.5	114.2	71.4	191.9	126.7	229.5	173.2	185.4	94.2	177.6	247.7	73.6
13	99.7	132.4	66.9	162.3	121.9	212.7	177.0	175.6	91.5	174.7	237.7	71.9
14	97.3	137.2	62.7	155.5	146.7	201.0	177.3	165.9	89.3	172.5	220.6	69.7
15	94.7	132.3	59.8	160.2	288.8	214.1	174.6	160.7	89.3	170.4	204.7	67.0
16	91.7	127.4	57.6	158.9	413.8	231.7	171.6	160.3	95.6	168.3	197.7	65.3
17	89.8	118.6	54.9	151.9	329.2	235.0	169.4	166.0	102.6	159.6	203.9	63.3
18	87.6	111.8	51.8	159.8	246.3	243.1	167.2	165.4	105.3	118.3	213.6	61.2
19	85.8	104.7	50.7	168.0	187.7	266.6	163.9	163.9	104.0	106.2	188.0	59.0
20	83.6	97.2	56.1	173.4	179.2	269.7	158.0	160.1	100.7	102.8	179.9	56.4
21	82.0	94.0	65.1	177.8	208.1	258.1	151.4	155.2	93.3	103.7	176.5	54.4
22	80.9	91.4	72.1	184.9	211.9	245.6	146.4	150.9	92.2	112.4	171.2	53.1
23	79.3	88.4	73.5	200.3	185.4	238.4	141.9	153.9	103.3	124.5	158.7	52.9
24	79.9	85.9	65.2	199.6	187.6	235.0	134.8	175.4	124.4	160.2	148.2	52.2
25	78.0	83.6	55.0	205.3	226.5	230.1	127.5	203.4	129.7	171.3	138.9	51.2
26	75.9	82.5	49.0	215.2	251.5	227.8	122.4	216.3	124.7	176.4	131.9	51.7
27	74.5	85.6	44.0	221.6	260.4	227.9	121.6	215.5	119.8	179.8	125.3	52.8
28	75.3	92.8	44.9	228.6	251.2	225.3	121.1	209.7	114.8	185.0	118.3	53.0
29	78.0		60.8	240.6	239.1	223.9	123.2	201.0	111.3	201.0	112.1	52.9
30	80.7		84.6	234.5	243.2	222.3	138.2	195.5	109.8	210.7	107.5	52.1
31	85.7		98.0		187.1		166.8	188.2		228.4		50.6
Mean	97.6	100.9	72.2	190.9	206.0	251.8	167.2	172.7	113.5	152.4	218.6	68.3
Maximum	137.9	137.2	101.5	292.0	413.8	380.3	218.5	217.8	178.4	228.4	324.6	103.1
Minimum	74.5	82.5	44.0	108.9	121.9	167.8	121.1	129.1	89.3	102.8	107.5	50.6
Total	261	244	193	495	552	653	448	462	294	408	567	183

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	150.9	(cubic metres per second)
Maximum	:	413.8	(cubic metres per second)
Minimum	:	44.0	(cubic metres per second)
Total	:	4760	(million cubic metres)

Data availability

Original values	:	365
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	0

Comments :

River Jubba at Kaitoi 1980

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	49.4	23.1	15.4	6.7	22.6	118.4	62.1	115.6	101.9	109.1	133.6	85.9
2	47.2	22.5	15.0	6.5	19.9	105.8	64.3	109.5	99.8	117.2	127.4	75.6
3	45.3	21.7	14.6	6.4	18.9	94.5	73.1	105.0	98.3	125.1	124.5	63.2
4	44.0	21.5	14.2	6.4	24.7	86.9	84.1	101.2	97.9	124.2	140.6	59.2
5	42.7	21.1	13.7	6.4	35.5	81.7	89.6	95.6	96.5	114.8	169.2	57.8
6	41.0	20.7	13.0	6.2	41.7	80.1	92.8	90.4	95.4	106.8	180.1	56.8
7	39.4	20.2	12.6	6.2	40.7	77.4	101.6	88.9	99.4	106.0	181.7	54.3
8	39.1	19.7	12.2	6.4	37.1	75.4	129.5	91.3	113.1	117.6	174.6	51.8
9	38.6	19.0	11.8	6.5	36.0	76.6	141.2	92.9	135.5	156.2	165.8	50.3
10	38.1	18.8	11.5	6.8	41.2	82.9	146.4	92.1	157.7	171.3	154.9	49.4
11	38.4	18.8	11.1	7.2	47.7	85.9	141.1	90.5	169.8	179.5	148.6	50.3
12	37.9	18.5	10.5	7.2	46.3	83.8	137.9	92.6	169.5	179.4	148.8	51.5
13	37.0	18.3	10.3	8.0	45.1	83.1	138.1	97.2	161.8	175.6	167.3	51.3
14	37.3	17.9	10.0	8.9	76.2	85.2	142.3	101.9	150.2	171.7	168.2	49.2
15	36.8	17.1	9.4	9.7	216.7	88.3	150.9	108.9	134.1	169.2	149.7	47.9
16	36.3	16.7	9.3	10.2	245.7	91.0	152.4	113.9	125.0	165.3	141.4	47.8
17	35.7	16.7	9.0	10.0	187.0	91.2	148.5	114.9	119.4	155.9	125.7	47.5
18	35.0	16.6	8.9	9.6	164.8	93.3	146.3	116.8	111.5	150.2	114.9	45.9
19	34.1	16.2	8.7	9.0	165.8	91.5	149.6	116.2	105.9	145.8	103.0	43.9
20	33.4	15.9	8.4	8.4	172.0	88.1	151.1	115.1	101.8	144.2	95.3	41.5
21	32.4	15.8	8.3	8.2	175.6	79.6	157.9	119.2	99.9	143.0	91.5	38.8
22	31.7	15.5	8.0	7.4	178.9	75.5	169.5	134.9	98.9	144.9	88.3	37.5
23	30.8	16.2	8.0	6.9	182.2	75.1	175.7	146.6	97.3	146.0	85.1	36.8
24	30.2	16.7	7.7	7.3	180.5	75.4	175.2	147.7	95.4	150.7	81.8	35.7
25	29.6	17.0	7.6	7.5	175.6	73.3	170.5	143.4	92.9	152.7	77.8	34.6
26	28.6	17.0	7.4	8.6	170.5	69.9	160.1	132.9	93.6	151.2	72.3	34.1
27	27.6	16.7	7.3	10.9	165.5	67.1	148.7	122.0	97.7	149.5	68.9	34.0
28	26.9	16.5	7.1	20.4	156.2	65.9	140.8	113.7	103.8	149.0	69.4	33.8
29	26.0	15.9	7.1	26.9	146.9	63.5	136.0	111.1	103.6	147.0	72.8	33.0
30	25.0		7.0	25.8	140.9	62.6	132.6	109.8	105.1	143.2	78.2	32.8
31	24.0		6.8		132.1		123.1	106.4		138.5		32.4
Mean	35.5	18.2	10.1	9.4	112.6	82.3	133.3	110.9	114.4	145.2	123.4	47.2
Maximum	49.4	23.1	15.4	26.9	245.7	118.4	175.7	147.7	169.8	179.5	181.7	85.9
Minimum	24.0	15.5	6.8	6.2	18.9	62.6	62.1	88.9	92.9	106.0	68.9	32.4
Total	95	46	27	24	302	213	357	297	297	389	320	127

(Total flows in million cubic metres per month)

Annual statistics

Mean : 78.8 (cubic metres per second)
Maximum : 245.7 (cubic metres per second)
Minimum : 6.2 (cubic metres per second)
Total : 2493 (million cubic metres)

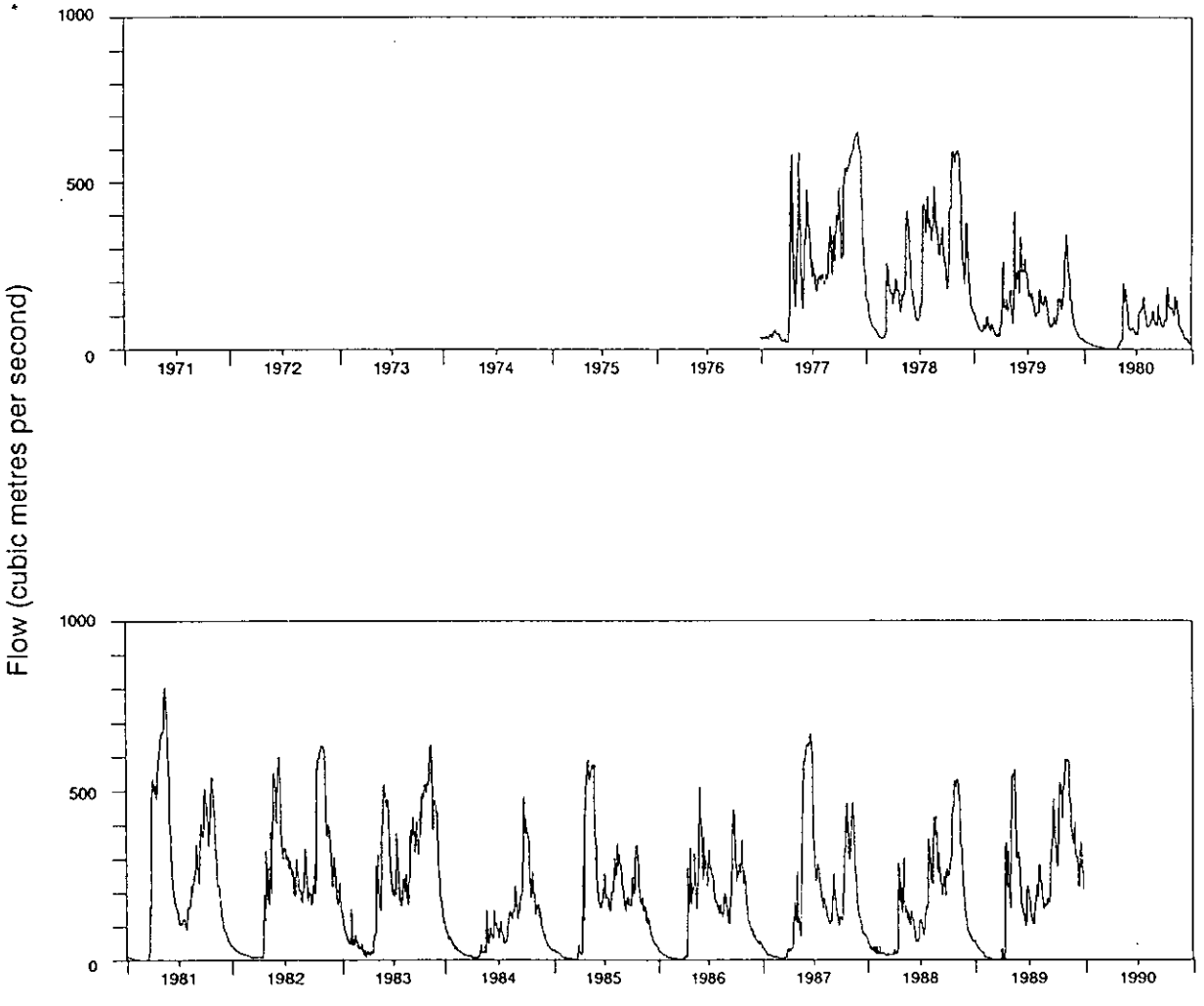
Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments : Flows well below average throughout the year


MAREERE
1977 - 1989

River Jubba: Daily mean flows for Mareere
for the period 1977 - 1989



River Jubba at Mareere 1977

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	37.8e	38.4e	43.8e	21.0e	134.9e	242.0e	248.0e	208.9	353.3e	475.3	534.4	649.0e
2	36.2e	43.4e	44.8e	20.9e	124.9e	301.7e	261.6e	214.6	337.3e	451.2	540.6	649.5e
3	33.9e	46.9e	45.7e	20.5e	124.9e	326.1e	248.7e	221.0	312.2e	421.4	554.2	650.0e
4	32.4e	47.6e	46.3e	20.4e	147.1e	316.3e	240.9e	225.3	291.3e	393.5	557.0	645.0e
5	31.7e	46.0e	46.5e	20.7e	162.8e	315.5e	236.9e	221.0	275.1	363.6	561.4	632.0e
6	31.9e	42.7e	45.6e	21.2e	224.7e	335.7e	232.7	214.8	255.0	334.6	565.3	618.0e
7	33.6e	38.7e	44.3e	21.9e	329.8e	386.9e	226.9	210.7	234.2	307.9	570.1	604.0e
8	35.8e	36.0e	44.3e	31.0e	327.9e	442.0e	220.5	204.4	220.1	285.2	573.9	599.0e
9	37.5e	35.3e	41.7e	60.6e	296.0e	477.3e	211.1	197.3	221.5	269.4	577.2	597.0
10	37.8e	36.9e	38.4e	129.4e	310.3e	478.8e	202.0	192.2	238.0	264.8	579.2	596.6
11	37.0e	37.2e	35.5e	227.7e	398.2e	456.8e	196.3	191.7	309.7	275.7	580.5	592.1
12	35.5e	36.0e	33.4e	263.6e	533.9e	442.1e	186.6	201.4	335.4	275.3	579.8	578.8
13	33.8e	41.4e	31.2e	370.5e	588.6e	441.4e	177.3	200.3	340.7	273.4	582.7	561.4
14	32.3e	50.2e	29.8e	497.5e	558.4e	433.0e	173.6	197.5	303.5e	285.9	586.3	541.9
15	30.9e	53.3e	29.1e	559.2e	532.5e	407.1e	172.4	197.5	284.9e	375.4e	590.1	518.1
16	30.2e	52.9e	27.6e	556.7e	489.9e	380.2e	171.4	203.5	268.9e	480.3	594.6	491.4
17	31.1e	51.2e	25.8e	578.4e	426.6e	365.2e	172.5	225.4	258.3e	500.2	599.0e	467.7
18	33.8e	50.9e	24.4e	582.0e	390.9e	358.4e	183.8	222.2	267.2e	521.5	604.0e	435.1
19	37.8e	54.5e	23.7e	533.9e	373.0e	349.3e	183.6	214.3	328.4	537.6	610.0e	403.1
20	41.1e	60.4e	23.3e	492.9e	338.5e	338.5e	200.1	207.0	363.9	541.5	615.0e	372.9
21	42.0e	59.0e	23.9e	469.6e	287.9e	325.7e	214.4	207.4	400.9	530.4	620.0e	341.2
22	40.1e	54.1e	24.9e	404.3e	251.5e	311.7e	204.7	207.0	397.7	534.8	624.5e	320.8
23	37.5e	51.8e	26.1e	318.9e	227.2e	293.7e	204.4	207.7	377.2	538.0	629.0e	295.6e
24	36.1e	50.1e	27.3e	255.3e	207.6e	276.6e	206.6	259.1e	369.8	543.0	633.0e	273.5e
25	35.3e	47.3e	28.5e	220.1e	185.2e	261.5e	214.6	310.3e	375.6	539.8	637.0e	253.3
26	33.7e	45.2e	29.6e	200.8e	159.1e	248.0e	222.8	318.0e	378.6	530.2	640.5e	249.9
27	32.1e	43.9e	29.6e	184.3e	130.5e	233.4e	220.5	303.4e	387.0	527.4	643.5e	239.6
28	31.3e	43.4e	27.5e	170.6e	119.2e	219.7e	213.2	313.5e	411.6	527.6	646.0e	234.3
29	31.1e		24.9e	159.5e	121.9e	214.0e	204.9	352.5e	460.0	530.2	647.5e	221.8
30	31.8e		22.6e	145.9e	137.7e	223.6e	199.6	368.6e	482.0	530.8	648.5e	212.5
31	34.2e		21.5e		169.2e		203.5	362.7e		532.3		206.5
Mean	34.7	46.2	32.6	252.0	284.2	340.1	208.3	238.1	328.0	435.4	597.5	453.3
Maximum	42.0	60.4	46.5	582.0	588.6	478.8	261.6	368.6	482.0	543.0	648.5	650.0
Minimum	30.2	35.3	21.5	20.4	119.2	214.0	171.4	191.7	220.1	264.8	534.4	206.5
Total	93	112	87	653	761	881	558	638	850	1166	1549	1214

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	271.5	(cubic metres per second)
Maximum	:	650.0	(cubic metres per second)
Minimum	:	20.4	(cubic metres per second)
Total	:	8563	(million cubic metres)

Data availability

Original values	:	137
Estimated values (Flag e)	:	228
Missing values (Flag m)	:	0

Comments : Station established by Jubba Sugar Project in July; gauges inaccessible for a long period during the most extensive Jubba flood on record

River Jubba at Mareere 1978

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	191.8	61.1e	33.6e	145.5	122.6	234.5	90.3	383.7	334.5	211.5	590.1	192.5
2	160.4e	61.2e	33.7e	136.4	124.7	218.5	95.1	372.3	318.2	195.3	585.2	195.7
3	155.1e	59.6e	34.0	132.5	148.4	202.3	111.5	363.9	298.6	177.8	583.4	245.4
4	148.0e	57.5e	34.7	134.8	163.0	191.7	123.5	360.9	293.3	179.0	586.5	293.7
5	141.5e	55.9e	34.7	155.2	155.7	182.2	130.3	375.6	285.0	176.5	591.4	346.9
6	139.2e	54.8e	36.4	177.0	146.3	177.4	135.6	384.8	285.5	178.9	594.8	369.8
7	139.3e	53.4e	39.4	173.0	148.5	172.9	134.5	372.5	279.6	191.8e	595.0	377.6
8	140.3e	51.8	43.4	162.3	158.9	165.9	126.6	350.9	276.5	204.9e	593.4	355.3
9	140.4e	50.9	45.4	151.8	164.2	161.8	123.0	330.3	287.2	226.6e	591.4	323.9
10	133.1e	48.2	74.4	158.3	157.0	158.9	131.1	320.1	302.0	280.7e	588.1	302.8
11	117.0e	46.7	175.4	204.5	156.2	152.1	174.1	325.9	313.1	372.6e	583.4	285.2
12	109.7e	44.3	233.4	209.5	165.0	145.2	297.7	344.8	311.5	413.7e	573.0	259.8
13	104.2e	42.2	256.4	181.9	183.9	136.1	413.0	347.2	315.3	422.5e	565.1	242.5
14	99.2e	40.6	255.5	173.0	240.0	125.9	434.2	350.4	321.3	420.1e	545.8	231.9
15	95.7	39.2	240.8	180.9	310.8	120.3	428.2	359.7	339.2	419.8e	515.0	223.4
16	92.8	37.7	218.5	206.3	350.8	117.3	427.1	373.4	360.4	424.6e	486.7	203.3
17	88.3	36.7	195.1	201.4	381.9	113.1	426.3	399.9	361.8	446.5e	440.7	187.0
18	85.7	35.8	186.8	196.7	394.0	106.7	420.2	452.1	348.1	516.3	408.0	175.7
19	82.8	34.8	221.7	189.1	403.3	99.4	407.8	486.3	325.0	565.6	374.4	171.3
20	79.6	33.6	238.7	173.8	411.5	93.7	387.8	480.6	304.1	591.9	342.9	156.6
21	77.5	33.0	230.2	171.9	400.5	88.4	364.7	457.0	294.1	593.9	302.1	144.8
22	75.9	33.4e	200.1	174.7	390.3	85.8	343.3	425.8	282.5	593.7	282.8	136.1
23	73.8	33.9e	176.5	171.8	385.4	83.7	346.0	404.2	267.4	584.5	272.8	131.0
24	71.2	34.6e	172.5	154.0	381.5	82.6	369.3	383.9	256.7	575.6	262.6	126.3
25	70.7	34.8e	167.8	140.4	372.9	83.9	374.0	365.7	258.4	577.4	255.7	123.1
26	67.2	33.5e	169.7	129.4	358.6	87.0	398.8	354.4	261.1	579.6	249.4	118.4
27	65.6	33.3e	169.0	115.4	339.0	89.1	449.1	358.6	257.3	572.1	252.8	114.4
28	64.3	33.3e	165.4	108.9	315.5	89.1	456.9	376.1	246.6	556.4	251.2	112.0
29	63.1		162.6	111.7	298.3	87.7	439.3	382.8	235.6	560.7	236.1	111.7
30	62.0		164.5	119.3	275.1	88.7	418.9	373.2	223.5	573.7	222.7	111.9
31	61.8		155.8		255.4		403.3	357.8		585.4		113.2
Mean	103.1	43.4	147.3	161.4	266.4	131.4	302.6	379.8	294.8	418.4	444.1	209.1
Maximum	191.8	61.2	256.4	209.5	411.5	234.5	456.9	486.3	361.8	593.9	595.0	377.6
Minimum	61.8	33.0	33.6	108.9	122.6	82.6	90.3	320.1	223.5	176.5	222.7	111.7
Total	276	105	395	418	714	341	811	1017	764	1121	1151	560

(Total flows in million cubic metres per month)

Annual statistics

Mean : 243.3 (cubic metres per second)
Maximum : 595.0 (cubic metres per second)
Minimum : 33.0 (cubic metres per second)
Total : 7672 (million cubic metres)

Data availability

Original values : 325
Estimated values (Flag e) : 40
Missing values (Flag m) : 0

Comments :

River Jubba at Mareere 1979

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	110.5	60.8	64.3	65.6	149.0	179.7	186.5	107.8	144.5	79.4	252.6	83.7
2	107.7	67.8	72.0	74.6	169.3	164.4	182.0	107.5	138.7	75.0	280.4	78.8
3	104.7	72.8	75.3	83.8	177.1	168.4	175.4	109.6	129.3	72.6	299.7	74.1
4	102.8	73.7	73.0	89.8	160.9	251.0	163.2	109.2	119.2	74.4	320.2	70.1
5	100.0	71.5	68.4	93.0	130.5	322.7	155.7	107.6	110.1	79.8	340.3	66.9
6	97.2	66.5	65.7	111.7	120.4	334.0	159.9	106.2	105.1	87.7	331.1	64.3
7	92.3	62.5	63.5	227.0	113.1	305.3	166.4	113.5	95.3	95.3	316.0	61.8
8	87.5	59.5	60.7	258.0	112.1	288.7	166.7	142.4	88.9	107.6	310.7	59.5
9	84.4	57.5	58.1	215.1	103.8	270.5	161.7	171.2	80.8	121.2	301.4	57.6
10	82.1	58.5	55.4	125.8	91.3	250.1	156.8	178.8	76.1	140.8	285.6	56.1
11	79.5	62.2	53.5	122.7	84.9	227.6	152.0	167.9	72.8	149.5	270.8	55.6
12	77.5	69.6	51.2	147.4	79.2	229.3	149.5	157.8	70.0	151.9	263.4	54.0
13	75.9	82.6	48.4	150.0	76.7	231.0	159.0	149.7	66.8	152.8	250.9	51.8
14	73.3	94.4	45.4	129.1	84.0	236.2	166.4	144.0	63.9	153.0	235.7	49.7
15	70.6	99.5	42.8	125.2	147.2	236.2	166.9	136.0	62.5	153.0	219.6	48.4
16	67.6	96.5	41.2	129.0	348.8	230.5	163.0	131.4	62.5	152.4	209.5	46.2
17	65.7	90.8	39.7	124.9	408.1	226.7	155.6	134.0	66.5	147.8	211.3	43.2
18	64.2	84.4	38.8	115.2	311.0	231.2	146.8	138.2	72.6	139.4	218.0	40.4
19	62.1	78.8	38.9	118.4	209.5	245.3	140.1	137.8	74.3	127.8	197.6	39.0
20	61.0	74.0	37.6	138.1	178.8	269.9	133.9	138.6	72.7	121.6	157.4	37.3
21	58.8	69.4	36.4	151.3	180.0	263.6	128.5	136.1	70.5	116.5	148.2	35.8
22	56.6	65.1	42.5	140.5	185.4	253.0	123.1	131.3	67.6	116.3	148.4	34.8
23	55.3	61.8	50.5	116.5	175.0	239.7	116.1	128.5	66.2	124.0	144.0	33.5
24	54.8	58.8	50.0	111.7	179.6	228.7	110.0	136.7	71.5	131.7	134.6	32.6
25	55.1	56.0	44.0	120.3	199.9	224.5	104.2	148.2	91.6	137.6	120.6	32.1
26	54.0	54.3	39.3	131.4	220.6	226.9	100.7	158.8	96.6	146.1	113.8	32.1
27	52.5	53.9	36.6	134.1	235.3	224.2	97.8	163.1	93.0	162.6	106.3	32.1
28	51.5	56.6	36.7	137.3	230.9	219.0	96.6	158.2	88.0	169.4	100.1	32.1
29	51.8		40.9	140.7	215.4	213.5	98.9	149.3	83.6	174.4	95.1	32.5
30	52.6		53.1	143.0	205.8	201.6	100.9	142.3	80.0	178.8	89.4	33.0
31	55.1		62.9		201.2		104.6	143.6		189.1		33.4
Mean	73.1	70.0	51.2	132.4	176.9	239.8	141.6	138.2	86.0	130.0	215.8	48.5
Maximum	110.5	99.5	75.3	258.0	408.1	334.0	186.5	178.8	144.5	189.1	340.3	83.7
Minimum	51.5	53.9	36.4	65.6	76.7	164.4	96.6	106.2	62.5	72.6	89.4	32.1
Total	196	169	137	343	474	622	379	370	223	348	559	130

(Total flows in million cubic metres per month)

Annual statistics

Mean : 125.3 (cubic metres per second)
Maximum : 408.1 (cubic metres per second)
Minimum : 32.1 (cubic metres per second)
Total : 3950 (million cubic metres)

Comments :

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

River Jubba at Mareere 1980

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	31.4	13.4	7.4	2.4	12.9	105.4	42.3	98.9	79.9	71.6	110.4	59.0
2	29.7	13.1	7.0	2.4e	11.7	91.2	42.7	92.0	76.7	82.0	104.6	61.9
3	29.0	12.8	6.8	2.5e	11.9	79.7	44.2	83.4	73.7	87.8	99.6	54.7
4	28.1	12.5	6.5	2.5e	10.6	70.4	48.9	77.8	72.8	90.9	101.1	46.5
5	26.9	12.3	6.3	2.5e	11.7	64.0	53.5	74.4	72.5	89.3	124.9	42.8
6	25.4	12.2	6.0	2.5e	19.8	60.3	58.9	67.3	71.3	86.4	150.3	40.6
7	24.8	11.7	5.7	2.5e	25.5	58.7	71.3	65.7	70.4	83.2	159.0	38.2
8	24.1	11.4	5.3	2.5e	24.8	57.0	83.1	66.3	75.9	84.4	155.1	36.3
9	23.3	11.1	4.8	2.5e	22.6	55.4	102.6	67.4	87.2	106.1	145.9	34.9
10	22.3	10.9	4.7	2.5e	21.8	55.6	112.0	68.0	107.7	146.1	138.0	33.8
11	21.8	10.6	4.3	2.6e	25.8	60.6	115.2	67.5	125.0	179.6	130.0	32.9
12	21.4	10.3	4.1	2.6e	30.7	62.1	113.9	66.9	134.0	188.5	124.9	33.8
13	21.1	10.1	4.1	2.6e	29.8	60.6	110.6	71.7e	127.0	185.7	123.9	34.5
14	20.7	9.8	4.0	2.6e	30.6	59.4	110.6	71.9	114.8	175.9	147.4	32.9
15	20.3	9.6	3.8	2.6e	65.6	61.8	115.2	75.2	106.2	162.1	146.4	31.0
16	19.7	9.5	3.6	2.6	201.4	64.1	125.0	78.0	99.6	145.9	126.3	30.7
17	19.3	9.1	3.4	3.1	197.8	65.0	124.6	80.4	95.8	133.1	115.5	30.3
18	19.3	8.8	3.4	3.5	158.9	66.0	119.7	84.5	90.9	127.9	100.4	29.8
19	19.2	8.6	3.3	3.5	138.2	65.6	118.2	88.7	86.5	125.0	88.2	28.9
20	18.9	8.3	3.1	3.0	153.1	64.5	121.3	85.3	81.9	121.9	78.9	27.3
21	18.5	8.1	3.0e	2.5	175.4	60.6	123.9	87.0	76.1	120.6	71.5	25.6
22	17.9	7.9	2.8	2.4	170.4	56.5	134.7	93.8	74.7	122.7	66.0	23.8
23	17.5	7.6	2.7	2.6	169.0	53.3	147.5	105.5	73.8	121.9	66.4	22.2
24	17.2	7.4	2.7	2.6	182.2	52.1	159.0	117.3	71.0	122.0	65.0	20.8
25	16.9	7.4	2.7	2.5	182.5	52.1	154.9	117.8	66.4	124.2	63.2	20.0
26	16.5	7.6	2.5	2.4	168.6	50.7	142.8	113.1	66.3	126.2	59.0	19.2
27	16.2	7.8	2.9	2.4	153.6	48.5	130.3	105.7	67.2	124.7	55.9	18.2
28	15.6	7.8	2.7	2.6	137.8	46.4	118.9	95.7	66.3	124.7	54.0	17.0
29	15.2	7.5	2.7	5.0	126.5	44.7	111.4	88.4	65.7	122.5	55.1	16.5
30	14.6		2.6	11.9	123.9	42.9	107.7	84.4	66.7	120.1	55.7	15.6
31	14.0		2.4		119.3		104.3	81.7		117.5		14.7
Mean	20.9	9.8	4.1	3.0	94.0	61.2	105.5	84.6	84.8	123.2	102.8	31.4
Maximum	31.4	13.4	7.4	11.9	201.4	105.4	159.0	117.8	134.0	188.5	159.0	61.9
Minimum	14.0	7.4	2.4	2.4	10.6	42.9	42.3	65.7	65.7	71.6	54.0	14.7
Total	56	25	11	8	252	159	282	227	220	330	266	84

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	60.7	(cubic metres per second)
Maximum	:	201.4	(cubic metres per second)
Minimum	:	2.4	(cubic metres per second)
Total	:	1919	(million cubic metres)

Data availability

Original values	:	350
Estimated values (Flag e)	:	16
Missing values (Flag m)	:	0

Comments : River dry in April and subsequent flood peaks very small

River Jubba at Mareere 1981

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	13.9	3.2	0.0e	504.3	652.1	386.2	115.1	157.6	308.1	501.2	438.3	110.4
2	13.5	3.1	0.0e	517.7	655.6	360.8	110.9	159.6	293.3	491.1	418.9	104.8
3	13.4	3.0	0.0e	525.7	658.5	325.4	107.5	161.2	280.4	474.7	397.3	100.8
4	13.0	2.7	0.0e	533.3	664.6	307.2	108.1	160.3	274.6	460.9	378.5	97.3
5	11.8	2.8	0.0e	535.9	667.4	293.8	111.0	157.7	271.1	453.0	362.4	92.8
6	11.1	2.7	0.0e	528.2	670.8	293.5	110.1	155.4	262.3	442.8	339.7	90.8
7	10.7	2.5	0.0e	516.0	672.4	268.8	108.3	156.6	248.1	432.9	315.2	88.7
8	10.6	2.4	0.0e	507.2	671.2	250.9	105.6	158.5	236.2	420.0	291.1	86.5
9	10.4	2.4	0.0e	499.8	670.8	233.9	105.1	166.2	227.9	401.1	276.7	84.7
10	10.3	2.5	0.0e	492.4	669.8	219.0	109.2	179.6	229.0	379.2	263.9	84.6
11	10.0	2.7	0.0e	504.8	674.3	206.3	117.6	195.1	248.2	356.4	253.0	82.1
12	9.3	2.7	0.0e	515.8	692.3	198.8	121.8	211.8	292.0	336.6	233.9	78.8
13	8.9	2.7	0.0e	518.1	735.4	196.5	121.2	224.6	359.6	338.9	223.4	76.0
14	8.5	2.5	0.0e	514.1	771.0	197.2	121.5	223.6	397.4	348.6	221.5	73.4
15	8.2	2.2e	0.0e	501.0	791.2	192.7	121.0	215.8	404.4	362.5	223.6	71.3
16	8.1	2.0e	0.0e	481.8	803.8	186.1	122.0	209.1	397.9	380.3	227.3	68.8
17	7.9	1.7e	0.0e	474.7	801.2	176.4	124.8	204.4	386.6	406.0	227.5	66.8
18	8.0	1.5e	0.0e	507.5	791.1	166.7	125.6	207.2	375.6	441.3	223.4	64.6
19	7.6	1.2e	0.0e	530.4	776.6	159.4	123.8	220.6	369.1	469.3	212.5	60.3
20	6.6	1.0e	4.0e	549.2	757.1	156.9	119.2	238.4	371.6	485.6	202.7	57.2
21	6.2	0.7e	20.5e	565.8	736.4	155.8	114.0	249.7	379.2	500.8	194.7	55.3
22	5.9	0.5e	15.9e	575.6	712.5	155.0	107.9	249.9	376.5	518.1	185.7	53.7
23	5.8	0.2e	21.4e	583.8	693.3	154.7	102.8	241.7	365.2	531.6	176.8	52.7
24	5.7	0.0e	102.0e	588.5	670.8	153.4	97.1	240.1	363.4	540.0	164.5	50.4
25	5.5	0.0e	161.3e	595.9	646.1	149.0	93.2	244.5	375.1	541.3	152.3	49.1
26	5.0	0.0e	110.2	606.7	619.7	142.9	90.8	255.0	418.0	532.9	142.3	47.9
27	4.6	0.0e	132.0	612.9	599.7	137.1	93.0	281.0	479.1	516.9	135.6	46.5
28	4.4	0.0e	199.7	626.8	577.3	130.4	100.7	306.5	502.9	499.2	129.2	45.7
29	4.3		362.6	644.2	508.1	124.4	114.9	337.3	505.4	484.6	122.2	44.3
30	4.1		471.2	648.6	459.6	119.9	134.5	343.4	505.0	473.7	117.7	43.1
31	3.5		493.8		423.2		152.6	326.4		458.9		41.8
Mean	8.3	1.7	67.6	543.6	674.0	206.6	113.3	220.6	350.1	451.0	241.7	70.0
Maximum	13.9	3.2	493.8	648.6	803.8	386.2	152.6	343.4	505.4	541.3	438.3	110.4
Minimum	3.5	0.0	0.0	474.7	423.2	119.9	90.8	155.4	227.9	336.6	117.7	41.8
Total	22	4	181	1409	1805	536	303	591	907	1208	627	188

(Total flows in million cubic metres per month)

Annual statistics

Mean : 246.7 (cubic metres per second)
Maximum : 803.8 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 7781 (million cubic metres)

Data availability

Original values : 326
Estimated values (Flag e) : 39
Missing values (Flag m) : 0

Comments : The highest levels on record at Mareere - during a very lengthy Gu flood which followed a dry period

River Jubba at Mareere 1982

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	41.1	19.3	11.9	12.6	250.0	480.4	332.6e	191.5	235.9	223.4	631.9	310.2
2	40.5	18.5	11.2	12.7	200.5	444.2	332.3e	197.1	281.1	203.9	631.7	286.9
3	38.7	18.9	10.6	12.3	177.4	417.8	316.5e	204.6	316.7	197.7	631.9	270.5
4	36.8	18.0	10.3	12.0	203.2	404.2	330.5e	223.5	331.3	198.1	632.6	249.4
5	35.8	17.8	10.0	11.8	274.7	413.6	310.2e	270.2	323.7	200.5	628.7	243.2
6	35.1	17.4	9.6	10.9	265.6	459.1	312.9e	300.9	306.6	221.4	628.0	257.8
7	33.7	18.2	9.0	10.1	216.7	528.4	298.3e	296.8	290.7	286.1	627.0	218.2
8	33.7	19.2	8.3	9.3	187.2	559.2	296.5	286.1	276.5	234.5	620.4	219.9
9	32.9	19.7	8.3	8.6	172.0	579.4	300.2	277.6	264.8	218.9	612.0	241.2
10	31.7	20.2	8.2	8.1	165.5	598.2	300.2	266.3	234.6	196.2	604.9	257.5
11	30.7	19.9	8.3	7.7	178.1	602.0	303.3	255.8	201.4	195.7	592.3	287.8
12	29.9	19.2	8.1	7.4	202.5	599.1	310.3	262.9	180.9	273.6	580.3	307.1
13	29.1	18.3	8.1	7.3	254.5	585.4	302.2	221.1	219.9	401.3	553.4	296.8
14	28.5	17.6	8.0	8.1	310.9	564.2	283.6	205.8	198.3	505.7	513.2	275.1
15	27.9	17.2	8.8	9.0	380.0	537.6	269.5	204.6	174.6	539.1	454.1	263.4
16	28.0	16.5	9.8	9.4	308.6	511.5	274.2	210.6	197.0	552.0	415.4	246.6
17	27.3	15.9	10.2	13.8	234.6	482.6	293.5	213.6	201.6	569.1	385.9	234.7
18	26.1	15.6	10.1	48.8	197.3	452.6	299.1	211.5	198.1	587.6	371.3	273.1
19	25.4	15.7	9.9	113.0	237.8	414.6	291.0	210.2	199.9	593.0	363.9	222.2
20	25.2	14.7	8.9	130.7	330.8	389.9e	283.6	203.5	200.5	593.7	370.0	203.2
21	24.5	14.2	8.4	159.2	379.0	347.7e	279.3	196.4	201.7	595.0	390.0	196.7
22	24.0	13.5	8.1	196.7	444.1	339.0e	274.9	191.0	198.5	595.5	403.6	188.7
23	23.5	13.2	8.2	174.7	517.5	320.5e	266.9	181.3	193.1	597.3	402.1	179.9
24	24.0	13.1	8.6	155.9	544.5	320.6e	258.7	171.7	195.4	601.3	395.5	169.4
25	24.0	13.1	9.4	133.5	553.3	308.5e	252.7	171.5	169.2	609.0	394.0	165.4
26	23.7	12.9	9.4	118.0	552.0	299.5e	253.2	180.3	162.0	613.3	377.7	168.5
27	22.9	12.8	9.9	190.8	544.7	311.3e	268.5	195.5	166.9	617.7	366.2	172.2
28	21.8	12.5	10.8	291.4	538.7	330.5e	224.3	208.9	172.9	626.1	357.4	170.6
29	21.1		11.7	325.7	530.2	331.9e	208.9	219.8	194.8	634.0	357.9	179.2
30	20.4		12.4	291.4	518.7	334.1e	200.1	216.6	221.7	633.7	335.7	211.1
31	20.2		12.5		505.4		191.9	214.4		633.3		232.0
Mean	28.7	16.5	9.6	83.4	334.7	442.3	281.3	221.4	223.7	443.5	487.6	232.2
Maximum	41.1	20.2	12.5	325.7	553.3	602.0	332.6	300.9	331.3	634.0	632.6	310.2
Minimum	20.2	12.5	8.0	7.3	165.5	299.5	191.9	171.5	162.0	195.7	335.7	165.4
Total	77	40	26	216	896	1146	753	593	580	1188	1264	622

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	234.7	(cubic metres per second)
Maximum	:	634.0	(cubic metres per second)
Minimum	:	7.3	(cubic metres per second)
Total	:	7401	(million cubic metres)

Data availability

Original values	:	347
Estimated values (Flag e)	:	18
Missing values (Flag m)	:	0

Comments : Values less certain than for other years because little data available from other stations for cross-checking

River Jubba at Mareere 1983

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	212.0	49.3	55.4	17.8	76.4	517.9	201.3	174.1	348.6	423.8	519.6	439.5
2	198.2	54.4	41.6	20.4	76.2	512.7	196.9	179.4	347.2	439.7	528.9	432.1
3	198.2	47.4	34.6	28.7	85.7	500.6	189.7	218.7	353.2	410.6	538.9	369.0
4	183.0	47.2	43.4	25.7	179.9	487.9	209.9	246.2	373.6	401.2	546.8	345.0
5	168.5	46.4	45.5	18.6	281.7	471.1	214.0	242.0	395.1	386.1	557.8	319.5
6	156.8	48.3	40.9	22.7	265.7	464.7	207.0	234.2	407.6	371.1	610.5	294.9
7	150.9	90.5	48.1	22.3	225.3	466.5	206.6	224.3	425.0	387.1	622.9	279.0
8	144.6	152.7	35.7	17.8	199.6	453.9	205.9	219.8	417.2	429.8	629.6	256.0
9	138.4	127.9	33.9	16.2	209.1	451.2	198.8	216.4	379.4	478.4	634.7	234.5
10	133.1	84.5	34.4	24.4	312.8	457.3	192.2	214.3	366.8	492.8	634.4	224.2
11	127.9	99.1	35.0	20.8	313.0	474.9	243.0	203.0	376.3	485.4	627.5	205.5
12	115.6	65.6	33.3	16.4	277.9	477.5	297.7	243.2	379.5	476.1	614.9	178.2
13	109.9	41.4	31.7	14.9	208.1	467.7	369.3	249.3	380.4	478.7	588.4	183.1
14	104.8	45.4	50.8	13.4	188.8	453.2	375.1	256.1	364.1	490.7	550.8	184.8
15	100.8	47.4	45.3	22.1	181.0	428.5	346.1	255.8	318.6	499.2	498.3	180.7
16	97.3	45.5	31.3	28.7	155.8	406.5	330.9	238.7	333.5	478.5	394.4	176.7
17	92.2	45.3	30.6	24.2	168.4	369.3	341.5	214.8	350.2	495.1	382.8	168.8
18	86.6	51.2	44.4	22.9	164.2	360.4	322.4	190.3	340.2	507.0	392.0	158.3
19	83.6e	56.1	42.3	21.9	150.6	339.2	280.2	186.6	353.0	516.2	411.0	155.7
20	80.6e	71.0	29.3	28.4	147.1	319.2	251.7	180.6	410.2	519.8	449.9	148.4
21	77.8	76.4	17.0	23.0	172.9	298.3	212.2	173.1	389.4	517.7	469.3	141.1
22	79.0	66.7	15.0	17.4	278.7	276.9	224.7	162.5	373.4	509.5	473.5	133.5
23	71.6	57.5	19.7	17.9	371.6	259.8	215.4	174.5	372.2	504.7	471.5	119.5
24	70.0	52.5	28.0	23.3	395.8	263.9	178.0	194.0	353.7	497.5	470.3	109.9
25	61.0	68.9	21.8	41.8	386.5	258.6	185.6	224.9	356.4	493.2	465.1	117.1
26	66.0	67.0	18.6	70.5	379.4	242.3	183.6	239.0	322.2	497.1	461.3	115.1
27	65.3	56.7	32.3	60.3	372.0	241.4	177.7	251.4	324.0	511.8	456.1	111.4
28	64.8	57.3	23.4	67.9	410.3	206.5	163.9	321.0	311.7	525.3	447.1	105.8
29	59.7		9.2	71.9	476.7	196.9	162.2	352.6	336.3	525.3	435.4	98.9
30	53.0		20.0	77.0	504.1	198.4	161.7	384.3	374.5	514.3	423.3	95.4
31	52.1		18.5		515.8		167.5	364.1		515.4		93.3
Mean	109.8	65.0	32.6	30.0	262.3	377.4	232.7	233.2	364.5	476.7	510.2	199.2
Maximum	212.0	152.7	55.4	77.0	515.8	517.9	375.1	384.3	425.0	525.3	634.7	439.5
Minimum	52.1	41.4	9.2	13.4	76.2	196.9	161.7	162.5	311.7	371.1	382.8	93.3
Total	294	157	87	78	703	978	623	625	945	1277	1322	534

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	241.7	(cubic metres per second)
Maximum	:	634.7	(cubic metres per second)
Minimum	:	9.2	(cubic metres per second)
Total	:	7623	(million cubic metres)

Data availability

Original values	:	363
Estimated values (Flag e)	:	2
Missing values (Flag m)	:	0

Comments :

River Jubba at Mareere 1984

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	92.7	41.9	21.3	6.9	44.0	96.7	80.6	72.8	197.6	403.3	202.2	91.2
2	90.2	41.0	18.9	6.2	28.4	94.7	64.1	97.3	177.5	382.1	195.8	92.2
3	87.8	33.2	16.2	4.9	26.3	97.5	64.9	102.1	170.8	373.2	191.3	85.5
4	84.3	34.7	15.6	4.5	22.1	87.9	65.3	107.8	149.3	379.1	201.2	80.7
5	81.5	39.0	15.4	5.7	24.6	77.5	83.2	119.1	142.4	419.3	195.6	79.4
6	83.4	36.3	15.5	7.9	23.6	76.1	90.9	127.0	138.2	411.9	161.2	78.3
7	66.9	29.3	13.8	8.6	18.3	76.4	100.6	140.3	119.1	396.4	132.4	74.2
8	61.2	32.8	14.8	7.6	20.9	73.6	110.5	149.6	130.9	387.0	135.0	67.3
9	70.5	34.4	12.7	7.3	21.8	65.1	116.7	148.1	139.2	380.8	150.1	62.7
10	72.0	34.8	14.3	6.8	20.8	61.2	111.7	139.2	133.6	375.0	163.3	63.0
11	64.5	30.5	14.9	7.7	22.3	61.6	99.9	134.8	144.0	369.5	159.4	76.2
12	61.3	29.2	14.8	9.0	24.2	61.5	88.2	132.4	150.8	364.8	160.5	60.5
13	63.6	27.3	13.7	8.5	23.6	66.7	78.7	133.6	163.4	360.9	152.4	53.9
14	69.2	26.9	12.3	7.5	41.8	99.2	74.6	141.5	167.2	365.0	152.2	52.1
15	69.3	25.1	11.7	6.7	36.3	151.9	76.6	134.4	176.8	361.1	164.0	51.8
16	64.5	27.2	12.8	6.2	27.0	139.7	68.9	132.2	175.2	341.9	168.0	51.7
17	62.9	30.7	13.7	7.2	20.7	124.3	70.1	127.5	187.4	280.2	164.1	50.3
18	58.4	28.2	14.4	8.5	38.2	112.2	62.0	122.1	194.2	232.3	166.2	46.4
19	57.6	21.1	15.1	10.2	150.5	107.1	53.7	124.8	193.4e	226.1	156.2	42.4
20	57.6	21.1	13.8	10.3	143.9	102.7	50.5	133.3	192.6	242.7	142.0	40.4
21	56.2	24.2	13.9	11.0	112.2	112.9	50.1	146.6	191.9	195.3	133.3	42.5
22	47.7	23.5	12.0	11.0	105.2	112.6	49.2	141.6	200.7	185.3	123.5	41.6
23	47.7	21.1	11.8	10.2	88.0	107.2	47.2	143.1	222.8	191.4	121.6	42.4
24	54.0	20.5	14.2	10.4	69.5	110.7	52.6	148.1	239.1	186.1	135.2	41.6
25	43.8	19.7	14.9	13.6	54.4	104.6	53.3	152.7	340.1	189.7	143.5	37.6
26	45.7	20.6	14.8	21.3	49.8	93.9	51.9	168.2	426.8	207.5	121.4	35.5
27	46.3	19.7	14.1	24.0	52.5	92.8	53.7	218.0	469.1	230.8	112.4	34.7
28	46.3	18.7	13.7	22.8	48.2	93.7	54.0	222.7	482.4	267.1	106.2	33.0
29	45.7	19.3	13.1	44.9	52.0	83.0	57.4	209.3	478.1	210.2	104.1	31.6
30	40.6		10.7	47.2	68.5	82.8	62.6	204.3	445.6	213.8	95.9	32.8
31	34.2		8.4		85.8		63.1	204.7		185.9		33.0
Mean	62.2	28.0	14.1	12.1	50.5	94.3	71.2	144.5	224.7	300.5	150.3	55.0
Maximum	92.7	41.9	21.3	47.2	150.5	151.9	116.7	222.7	482.4	419.3	202.2	92.2
Minimum	34.2	18.7	8.4	4.5	18.3	61.2	47.2	72.8	119.1	185.3	95.9	31.6
Total	167	70	38	31	135	244	191	387	582	805	390	147

(Total flows in million cubic metres per month)

Annual statistics

Mean : 100.8 (cubic metres per second)
Maximum : 482.4 (cubic metres per second)
Minimum : 4.5 (cubic metres per second)
Total : 3187 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 1
Missing values (Flag m) : 0

Comments : Gu flood small and very late

River Jubba at Mareere 1985

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	33.9	21.1	6.7	5.5	496.3	389.7	228.4	206.2	251.7	163.3	207.9	120.8
2	30.9	17.5	6.8	8.1	530.2	366.8	252.1	207.3	226.9	161.2	196.3	127.7
3	28.7	11.8	5.5	31.1	542.1	356.3	258.4	205.0	223.6	162.3	187.6	123.1
4	29.8	10.5	4.9	49.9	550.7	347.2	246.2	214.2e	222.9	160.6	179.5	115.5
5	29.1	11.8	5.1	40.7	566.0	339.1	224.8	218.7e	209.6	158.5	173.0	110.8
6	30.9	11.0	5.1	31.4	577.0	279.4	210.5	255.4e	211.0	215.6	170.2	106.2
7	33.2	10.4	5.5	24.8	584.1	251.4	194.7	292.2e	211.8	229.3	167.4	101.9
8	29.5	10.2	5.8	23.0	588.3	236.5	184.4	304.1e	198.7	241.5	164.7	95.4
9	30.5	9.2	5.2	22.2	590.3	213.5	181.4	294.4e	190.1	249.7	164.3	86.0
10	33.4	8.8	5.4	21.8	572.6	192.7	185.0	284.6e	170.0	235.2	169.5	81.0
11	32.7	8.6	5.3	21.5	545.6	184.4	186.3	262.1e	162.8	221.0	176.9	74.8
12	27.3	8.2	4.8	21.3	528.9	177.6	186.2	251.1e	158.7	213.2	187.0	72.9
13	22.4	7.2	4.5	20.2	534.4	172.4	189.0	251.1e	176.9	205.4	187.0	72.9
14	23.8	8.2	4.4	16.7	544.0	167.8	188.9	252.9e	162.7	197.1	151.7	70.7
15	25.9	7.7	3.9	15.6	542.1	166.5	189.0	257.0e	149.8	197.1	143.7	67.7
16	24.9	8.4	3.5	15.2	537.2	170.7	185.7	273.7e	144.4	209.3	146.3	62.8
17	25.9	8.3	3.0	21.1	541.5	166.3	181.6	331.9e	152.0	223.1	150.0	59.3
18	27.5	7.7	2.9	80.1	550.9	159.4	173.6	345.2e	148.5	288.5	158.0	56.2
19	23.9	7.6	2.8	183.2	559.0	153.2	160.3e	305.1e	160.6	313.2	161.7	55.6
20	24.6	7.0	2.6	280.5	562.0	158.1	156.5e	280.9e	176.5	322.3e	159.9	56.3
21	22.4	6.5	2.4	265.5	566.4	156.0	148.6e	281.2e	191.0	331.8	158.5	53.4
22	21.3	6.3	2.2	184.1	568.8	157.5	147.1e	292.8e	185.7	334.0	154.8	52.3
23	21.9	6.3	2.4	140.4	572.1	175.5	143.2e	302.1e	164.4	340.5	139.6	51.1
24	21.4	4.3	2.2	115.5	575.4	165.3	149.8e	315.1e	166.1	335.3	126.8	48.9
25	20.9	3.6	2.1	117.8	577.2	167.4	153.1	302.8	181.4	324.2	119.7	46.2
26	21.3	3.4	2.2	194.9	577.2	178.2	183.7	297.0	165.6	302.7	113.0	46.0
27	21.4	3.7	2.3	411.0	575.6	190.7	196.4	291.0	162.4	291.3	113.0	49.3
28	21.1	4.3	3.2	448.8	572.6	211.1	201.2	292.6	161.7	291.3	111.5	48.1
29	19.4		4.9	423.5	558.1	208.5	203.5	284.7	161.9	278.6	108.7	47.0
30	20.4		5.2	422.1	521.4	208.7	200.1	277.7	164.0	247.4	108.9	46.1
31	20.3		5.6		470.4		201.7	273.7		226.5		44.5
Mean	25.8	8.5	4.1	121.9	554.1	215.6	190.0	274.3	180.5	247.5	155.2	72.6
Maximum	33.9	21.1	6.8	448.8	590.3	389.7	258.4	345.2	251.7	340.5	207.9	127.7
Minimum	19.4	3.4	2.1	5.5	470.4	153.2	143.2	205.0	144.4	158.5	108.7	44.5
Total	69	21	11	316	1484	559	509	735	468	663	402	194

(Total flows in million cubic metres per month)

Annual statistics

Mean : 172.2 (cubic metres per second)
Maximum : 590.3 (cubic metres per second)
Minimum : 2.1 (cubic metres per second)
Total : 5431 (million cubic metres)

Data availability

Original values : 337
Estimated values (Flag e) : 28
Missing values (Flag m) : 0

Comments :

River Jubba at Mareere 1986

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	41.7	14.7	6.5	4.6	198.3	513.5	276.4	163.9	189.2	425.0	228.5	92.6
2	41.7	14.3	6.5	4.7	204.4	472.4	304.5	158.3	176.1	408.0	225.7	88.3
3	39.5	14.0	6.3	4.6	213.3	429.6	320.8	162.5	167.2	378.3	253.1	87.9
4	38.0e	13.2	6.7	4.6	219.7	427.1	326.8	167.0	163.4	350.9	267.5	79.5
5	35.7e	9.8	7.1	4.8	205.4	410.8	326.7	163.0	159.4	331.5	266.0	70.6
6	34.0e	8.8	7.2	6.5	196.2	378.5	320.5	155.0	153.3	306.1	251.9	65.9
7	31.2e	8.0	6.9	11.2	206.2	358.3	311.0	147.0	144.4	287.2	246.2	65.1
8	27.5e	7.0	5.9	14.7	211.7	344.4	296.2	138.0	138.6	272.0	232.6	72.4
9	25.0	7.7	5.1	14.7	234.9	298.6	271.3	134.1	130.2	256.0	213.2	74.6
10	26.0	8.9	5.1	13.2	307.6	274.5	265.2	138.0	120.9	233.2	199.7	71.0
11	26.4	8.8	4.7	11.7	319.1	265.8	273.7	142.5	112.4	247.4	189.0	65.3
12	26.1	8.4	4.8	10.7	301.7	238.9	279.2	152.1	108.1	263.9	171.9	64.4
13	24.1	8.4	4.8	10.6	287.5	265.6	275.7	166.1	107.1	260.5	171.4	61.0
14	26.7	8.7	4.8	10.8	280.5	360.6	272.3	166.2	107.6	247.6	157.9	56.7
15	28.1	8.7	4.6	10.9	242.8	367.5	262.3e	157.4	110.8	250.6	148.1	56.6
16	26.0	8.9	4.6	20.1	193.9	346.9	254.2	150.6	135.6	272.7	137.6	55.1
17	22.9	8.5	4.9	104.8	180.7	326.4	251.0	142.3	177.6	286.4	124.4	55.3
18	19.5	8.9	5.1	274.9	165.3	309.4	252.5	137.6	193.1	285.3	117.1	55.6
19	18.1	8.1	5.0	216.8	159.5	300.6	248.1	139.3	192.8	268.2	113.9	54.7
20	18.1	7.3	4.8	155.0	154.5	278.1	239.4	137.7	191.0	263.1	113.7	53.3
21	17.8	7.6	4.6	146.3	152.0	268.3	235.1	127.4e	193.4	259.6	110.7	51.1
22	17.2	8.5	4.8	143.5	177.4	262.8	220.6	127.4e	221.5	256.3	106.0	47.9e
23	16.3	7.6	4.8	142.2	207.1	261.3	208.5	137.9e	306.4	256.4	101.1	47.2e
24	16.0	6.7	4.7	193.0	225.5	257.0	199.9	142.0	364.3	270.1	98.8	49.1e
25	16.4	6.9	4.5	259.4	235.2	257.6	184.8	150.4	393.3	307.3	94.3	58.5e
26	15.8	6.6	4.7	326.6	245.1	254.2	178.0	169.2	404.6	354.3	84.9	59.4
27	14.8	6.4	4.8	332.8	253.2	246.3	180.3	197.0	408.3	343.7	84.7	58.2
28	14.7	6.4	4.6	297.3	297.5	235.4	173.1	200.8	426.2	295.5	98.3	51.2
29	14.8		4.7	167.5	367.6	221.0	174.4	196.8	446.7	271.6	96.1	52.0
30	14.5		4.6	174.5	440.5	245.2	176.5	191.9	443.5	250.6	91.9	51.3
31	15.3		4.7		498.2		172.6	193.1		230.2		47.5
Mean	24.2	8.8	5.3	103.1	244.6	315.9	249.4	156.5	219.6	290.0	159.9	61.9
Maximum	41.7	14.7	7.2	332.8	498.2	513.5	326.8	200.8	446.7	425.0	267.5	92.6
Minimum	14.5	6.4	4.5	4.6	152.0	221.0	172.6	127.4	107.1	230.2	84.7	47.2
Total	65	21	14	267	655	819	668	419	569	777	414	166

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	153.9	(cubic metres per second)
Maximum	:	513.5	(cubic metres per second)
Minimum	:	4.5	(cubic metres per second)
Total	:	4855	(million cubic metres)

Data availability

Original values	:	352
Estimated values (Flag e)	:	13
Missing values (Flag m)	:	0

Comments :

River Jubba at Mareere 1987

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	41.3	13.6	7.2	31.4e	110.9	596.8	373.2e	171.3	118.3	131.6	337.1	155.6
2	42.0	13.8	7.2	33.2e	108.7	600.6	341.9e	160.4	128.9	130.4	311.2	148.9
3	41.5	13.1	6.2e	36.2e	121.8	604.5	312.8e	152.2	143.3	129.5	300.2	142.5
4	37.6	12.6	5.5e	33.2e	236.7	609.9	282.0	161.2	160.3	128.8	296.8	140.3
5	35.8	13.9	5.3e	28.8e	267.1	616.7	281.2	172.5	170.1	124.4	313.5	137.8
6	37.2	13.1	4.6e	21.7	194.8	623.4	269.4	187.8	180.6	121.1	358.2	125.9
7	36.4	11.9	4.5e	32.7	144.2	634.2	255.6	186.5	208.7	119.0	346.2	130.4
8	36.2	11.6e	3.8e	34.0	113.5	637.9	240.3	181.1	227.8	116.4	340.7	128.4
9	35.5	10.6	3.7e	33.9	109.5	634.0	232.9	175.0	249.6	117.8	361.5	124.0
10	33.9	9.0	3.7e	32.9	127.3	631.7	241.9	177.0	260.2	126.4	400.6	119.1
11	34.1	8.4	3.7e	27.0	113.3	629.3	246.1	171.7	251.2	132.4	442.4	117.4
12	30.4	8.1	4.4e	30.6e	123.1	626.4	241.4	161.8	238.7	133.5	456.1	111.1
13	25.2	7.8	4.5e	33.6	95.5	635.1	242.8	153.1	221.6	164.4	461.7	104.6
14	26.0e	8.3	5.2e	36.8	78.4	641.9	259.5	145.6	201.1	233.3	466.6	95.0
15	27.2	8.3	5.3e	35.8	74.8	633.7	282.6	139.0	186.0	277.4	462.9	91.3
16	26.3	8.4	5.3e	36.6	72.9	636.5	288.2	132.1	174.6	313.6e	447.5	87.9
17	25.7	9.9	5.3e	37.5	67.4	647.9	284.7	126.8	165.7	330.7	430.4	88.0
18	20.6	10.8	5.3e	39.9	77.0	657.5	287.0	126.8	158.1	317.8	404.3	85.1
19	17.1	12.3	5.7e	42.3	96.7	664.6	275.4	127.3	149.7	320.7	370.4	81.2
20	15.6	12.4	7.7e	53.6	145.3	667.0	255.6	125.1	153.2	352.1	350.7	77.4
21	15.3	11.2	9.2e	79.2	302.7	666.3	244.7	118.0	148.2	402.5	330.6	83.0
22	17.2	10.5	9.8e	111.6	380.3	659.2	228.5	114.1	136.1	442.8	300.4	76.7
23	17.0	9.5	9.1e	119.0	452.8	647.9	227.2	114.8	125.4	462.3	286.1	79.4
24	15.4	8.3	8.9e	138.5	433.1	631.9	224.2	115.0	109.3	464.3	264.4	78.8
25	15.7	7.3	8.1e	173.6	500.7	604.5	218.6	113.7	108.0	460.5	245.3	74.4
26	13.8	7.0	7.2e	174.8	556.4	565.4	210.7	106.4	115.4	449.2	218.6	72.1
27	13.9	7.2	8.1e	151.3	576.1	518.0	199.8	109.3	99.3	430.8	213.6	74.6
28	14.9	7.2	9.3e	139.4	580.7	475.6	185.8	113.8	113.6	415.3	200.3	76.4
29	15.0		13.6e	138.8	574.5	438.5	175.4	115.6	118.3	402.2	181.2	72.8
30	18.0		31.8e	123.2	581.2	403.9e	178.1	115.5	128.8	385.0	170.9	69.4
31	14.8		32.1e		591.0		184.1	114.2		365.0		69.9
Mean	25.7	10.2	8.1	68.0	258.3	608.0	250.7	141.4	165.0	274.2	335.7	100.6
Maximum	42.0	13.9	32.1	174.8	591.0	667.0	373.2	187.8	260.2	464.3	466.6	155.6
Minimum	13.8	7.0	3.7	21.7	67.4	403.9	175.4	106.4	99.3	116.4	170.9	69.4
Total	69	25	22	176	692	1576	671	379	428	734	870	270

(Total flows in million cubic metres per month)

Annual statistics

Mean : 187.5 (cubic metres per second)
Maximum : 667.0 (cubic metres per second)
Minimum : 3.7 (cubic metres per second)
Total : 5912 (million cubic metres)

Data availability

Original values : 323
Estimated values (Flag e) : 42
Missing values (Flag m) : 0

Comments : A very large Gu flood with a late peak

River Jubba at Mareere 1988

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	68.5	29.4	15.3	20.9	137.8	142.1	121.4	328.9	318.1	248.4	533.8	140.3e
2	62.9	17.9	15.4	34.8	157.6	143.5	123.5	336.0	317.3	247.8	536.5	130.8e
3	59.5	16.2	15.1	28.0	169.7	140.0	120.6	315.3	311.9	264.6	534.0	122.2e
4	57.0	22.0	15.0	26.9	167.7	134.6	116.1	296.4	289.8	259.0	530.6	113.0e
5	54.1	40.1	13.5	29.5	277.9	123.9	113.1	275.6	285.5	257.8	526.5	103.4e
6	51.2	41.0	12.6	18.7	304.2	117.3	107.7	260.7	265.0	249.6	518.5	94.8e
7	48.2	25.2	13.0e	18.9	223.9	117.7	97.3	241.3	255.6	252.2	508.5	91.8e
8	46.4	16.3	14.2	19.3	170.4	107.7	86.0	232.9	236.1	264.2	496.5	88.3e
9	45.5	15.0	13.8	19.2	164.8	105.1	84.5	230.7	235.6	281.1	481.0	84.9e
10	44.4	14.9	15.7	19.1	161.8	100.5	84.5	235.4	233.9	286.2	465.5	82.8e
11	36.3	14.5	18.1	19.8	153.7	82.2	77.3	223.5	216.2	286.6	444.9	79.8e
12	34.4	16.9	17.8	19.8	144.4	68.5	70.1	246.2	211.0	292.5	419.1	76.4e
13	38.6	28.6	15.2	20.9	140.7	68.4	71.7	300.7	196.4	301.7	390.6	75.8e
14	38.8	41.5	14.2	24.4	147.0	63.9	81.7	384.5	193.7	309.2	361.7	74.0e
15	28.6	28.6	14.4	34.8	151.4	54.1	99.0	422.7	219.3	330.5	346.7	73.3e
16	25.7	16.6	13.7	53.6	146.8	54.4	119.4	417.6	227.7	377.3	336.2	71.7e
17	40.8	14.8	14.6	133.6	139.9	58.3	129.2	404.2	239.0	407.2	334.7	68.9e
18	38.7	17.2	16.7	290.8	119.8	62.0	142.2	389.9	253.1	424.6	322.8	65.6e
19	27.4	18.6	16.8	266.0	118.2	59.6	133.6	377.7	250.3	443.0	294.2e	63.3e
20	27.7	21.4	17.7	246.1	129.8	57.7	132.7	368.9	240.3	452.0	273.3e	62.0e
21	36.4	20.6	16.0	205.9	141.9	56.3	148.1	387.3	234.2	444.3	256.4e	61.1e
22	29.3	20.7	14.8	177.7	132.5	54.3	163.3	425.8	224.9	452.2	239.4e	59.4e
23	26.9	20.9	15.1	187.6	119.6	53.5	164.7	428.3	212.2	465.0	224.9e	57.4e
24	41.0	20.4	16.2	169.0	118.4	57.4	159.5	394.5	204.5	526.1	212.5e	55.7e
25	42.9	20.3	17.2	218.9	113.7	72.7	152.9	362.6	191.4	529.9	197.6e	56.8e
26	39.3	20.2	17.7	235.9	102.3	97.1	154.9	381.8	192.9	521.5	184.2e	55.3e
27	28.3	19.6	16.9	195.1	100.1	111.1	221.7	308.6	257.4	527.2	173.9e	57.7e
28	19.0	18.5	15.6	167.7	101.6	118.0	325.7	275.3	272.6	524.4	165.1e	55.6e
29	20.8	17.1	13.3	152.5	112.9	117.6	359.2	264.2	271.1	514.1	156.7e	53.7e
30	42.0		13.5	142.1	143.7	117.4	345.2	260.1	252.9	509.3	148.5e	53.0e
31	42.2		15.0		150.0		327.7	293.7		526.6		52.7e
Mean	40.1	21.9	15.3	106.6	150.5	90.6	149.5	324.9	243.7	379.9	353.8	76.8
Maximum	68.5	41.5	18.1	290.8	304.2	143.5	359.2	428.3	318.1	529.9	536.5	140.3
Minimum	19.0	14.5	12.6	18.7	100.1	53.5	70.1	223.5	191.4	247.8	148.5	52.7
Total	107	55	41	276	403	235	400	870	632	1017	917	206

(Total flows in million cubic metres per month)

Annual statistics

Mean : 163.2 (cubic metres per second)
Maximum : 536.5 (cubic metres per second)
Minimum : 12.6 (cubic metres per second)
Total : 5160 (million cubic metres)

Data availability

Original values : 322
Estimated values (Flag e) : 44
Missing values (Flag m) : 0

Comments : End of year recession estimated as original levels very high compared to three nearby stations

River Jubba at Mareere 1989

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	60.1e	9.8	1.2	27.4	239.9	240.2	194.9	192.7	178.5	306.9	591.2	409.6
2	50.3e	9.3	0.9	17.4	340.7	244.6	193.6	238.1	186.6	290.7	593.2	372.1
3	46.8e	8.6	2.5	10.0	496.5	196.3	183.3	284.1	182.6	281.8	593.2	333.7
4	44.5e	7.7	2.7	7.5	544.7	177.8	166.8	285.3	177.6	276.2	591.7	318.5
5	43.3e	7.4	2.9	5.9	543.6	164.6	161.3	283.9	174.9	281.8	589.6	309.8
6	42.4e	8.0	2.9	4.6	535.3	162.4	146.6	279.5	174.6	291.2	587.0	307.4
7	40.3e	7.8	3.1	5.3	534.6	157.0	136.6	269.1	170.9	315.3	588.1	305.6
8	38.8e	7.4	3.4	5.2	538.9	156.9	130.0	261.3	173.9	364.1	589.4	307.2
9	38.1e	7.3	3.0	5.1	542.8	152.4	130.5	244.0	206.4	416.9	587.6	307.5
10	37.3e	7.4	1.9	7.5	547.3	144.4	123.7	232.6	247.9	484.8	581.4	307.9
11	36.0e	7.4	1.2	49.5	550.1	140.7	119.0	229.3	279.2	511.8	564.9	309.5
12	35.1e	7.3	0.9	274.3	556.1	141.3	122.0	222.1	306.3	520.4	535.1	304.0
13	33.7e	7.4	0.9	335.8	560.9	138.9	117.8	213.7	317.3	525.9	502.3	273.0
14	32.7e	7.2	1.1	309.6	560.5	133.9	109.8	207.0	321.0	522.7	482.6	224.6
15	31.7e	7.1	1.0	340.8	549.2	124.7	105.5	196.4	326.9	513.7	476.3	216.1
16	30.6e	6.7	0.8	347.7	515.7	117.8	107.2	187.6	343.3	512.9	471.7	217.3
17	29.8e	6.3	0.7	231.8	474.9	112.5	108.6	178.5	348.1	508.1	457.3	216.6
18	28.8e	6.8	1.0	231.0	406.3	103.5	120.5	165.0	347.3	497.7	470.1	218.6
19	28.1	6.7	1.8	215.6	364.2	101.0	135.6	154.7	376.6	482.2	464.7e	244.2
20	27.2	6.2	2.5	262.3	332.7	99.8	142.3	151.4	429.4	469.7	418.3	301.3
21	25.4	6.0	1.1	297.1	310.4	117.5	153.4	157.5	475.1	435.2	399.2	346.1
22	24.5	6.2	0.8	326.4	300.2	171.6	154.0	166.8	477.9	418.7	375.2	351.6
23	24.1	4.7	0.8	301.6	302.5	208.3	165.0	162.0	468.5	419.6	364.3	344.6
24	24.2	4.2	0.7	266.2	308.0	212.1	182.3	158.9	420.0	471.4	373.2	324.5
25	24.6	3.9	0.7	240.4	316.3	211.1	204.4	163.4	388.5	496.1	365.4	303.0
26	23.8	3.3	0.8	210.1	321.3	216.9	219.2	168.1	372.7	508.3	349.5	291.8
27	23.3	2.0	0.9	188.7	320.1	222.8	225.8	170.9	362.9	519.4	344.5	276.2
28	22.9	1.4	0.6	178.1	314.1	212.4	218.7	169.3	355.6	543.4	358.6	268.8
29	21.4		3.4	154.4	305.9	201.1	208.7	161.7	336.6	564.0	363.2	252.4
30	15.7		31.1	163.7	287.6	195.6	197.1	161.0	321.0	577.0	371.0	233.7
31	10.9		35.3		263.5		187.1	169.3		585.8		212.1
Mean	32.1	6.5	3.6	167.4	422.1	166.0	157.1	202.8	308.3	448.8	480.0	290.6
Maximum	60.1	9.8	35.3	347.7	560.9	244.6	225.8	285.3	477.9	585.8	593.2	409.6
Minimum	10.9	1.4	0.6	4.6	239.9	99.8	105.5	151.4	170.9	276.2	344.5	212.1
Total	86	16	10	434	1131	430	421	543	799	1202	1244	778

(Total flows in million cubic metres per month)

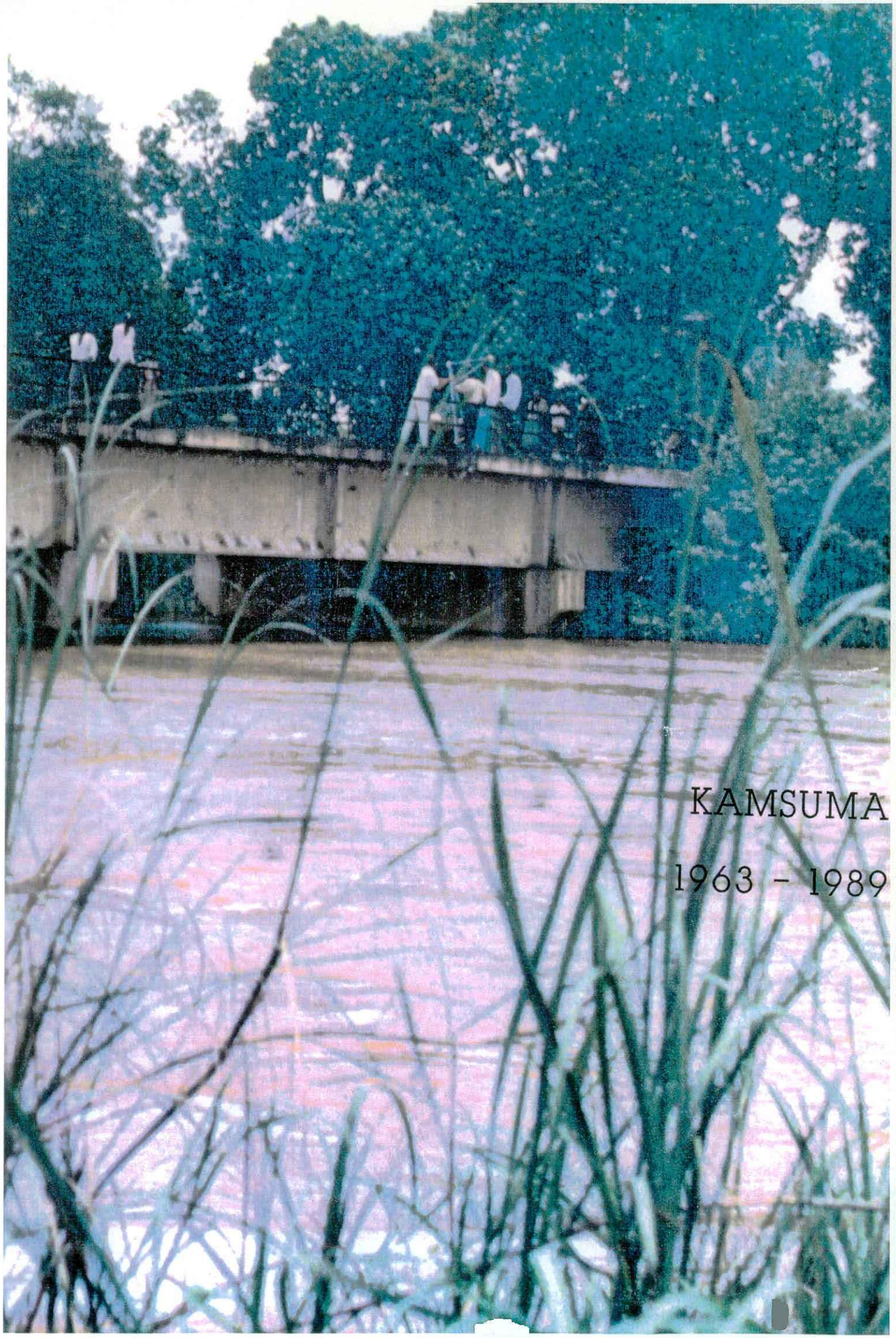
Annual statistics

Mean	:	224.9	(cubic metres per second)
Maximum	:	593.2	(cubic metres per second)
Minimum	:	0.6	(cubic metres per second)
Total	:	7094	(million cubic metres)

Data availability

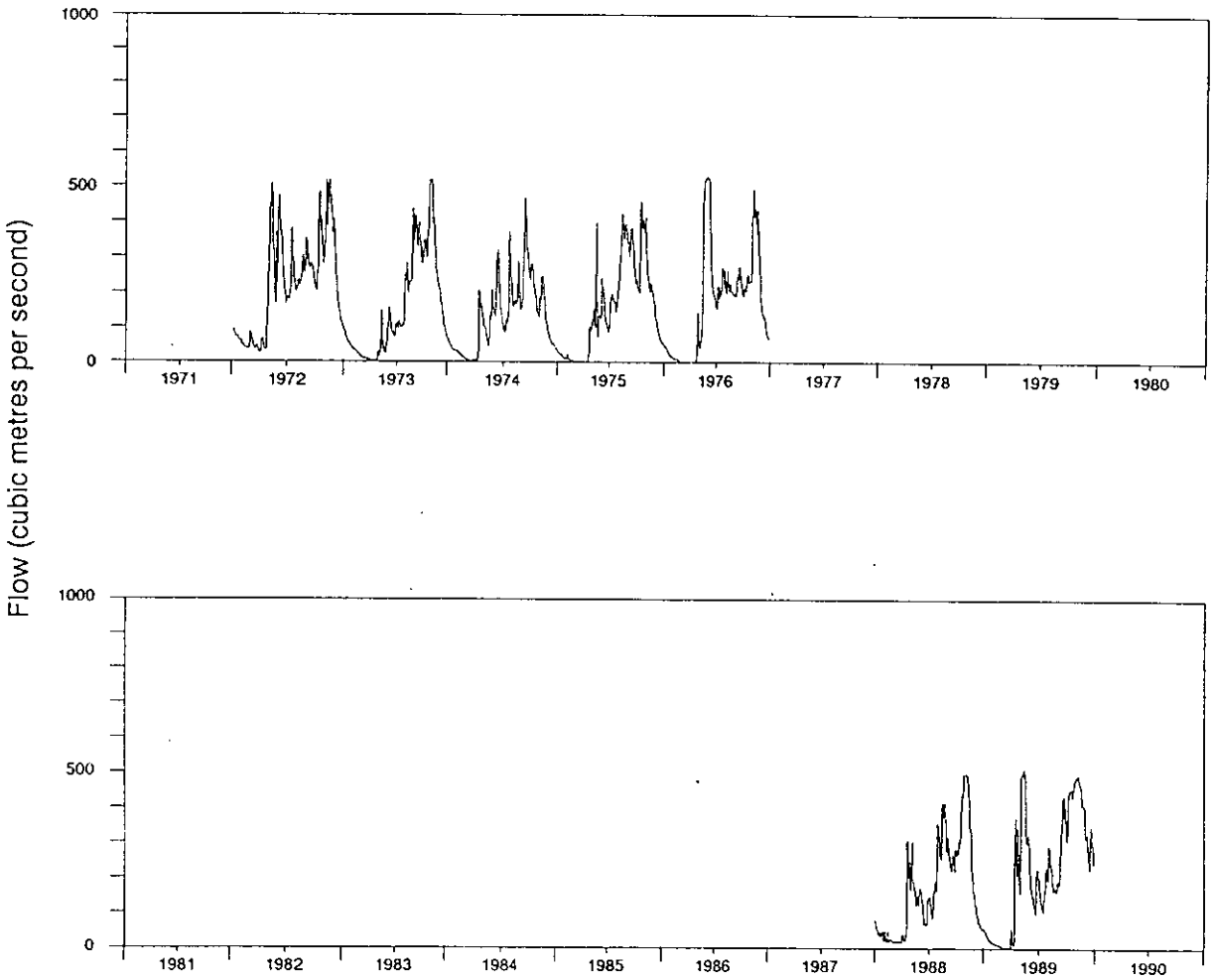
Original values	:	346
Estimated values (Flag e)	:	19
Missing values (Flag m)	:	0

Comments : Recession at start of year estimated (see 1988 comments); substantial floods in both the Gu and Der seasons


KAMSUMA
1963 - 1989

River Jubba: Daily mean flows for Kamsuma

for the period 1972 - 1976, 1988 - 1989



River Jubba at Kamsuma 1972

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	93.0e	48.7e	77.5e	23.7e	262.1e	313.1e	179.1e	199.3e	352.2	212.3	297.1	375.5
2	89.3e	48.5e	73.2e	24.5e	281.5e	411.1e	186.8e	202.0e	335.9	206.9	306.5	396.8
3	84.9e	48.0e	69.1e	28.3e	305.1e	436.6e	185.4e	205.9e	314.4	205.5	376.2	405.0
4	82.5e	47.2e	65.9e	38.3e	357.1e	444.5e	182.3e	209.6e	309.0	202.4	470.3	390.3
5	80.2e	45.7e	64.5e	56.1e	425.3e	471.2e	180.9e	219.3e	309.7	207.6	508.6	365.6
6	77.8e	44.2e	62.9e	66.0e	447.7e	453.0e	184.3e	225.3e	310.8	223.1	515.2	339.8
7	74.8e	42.5e	59.6e	65.6e	439.1e	411.0e	183.8e	230.1e	304.4	239.4	500.5	313.8
8	71.7e	40.9e	55.5e	64.7e	461.3e	395.2e	180.3e	236.0e	286.4	252.8	444.6	293.2
9	70.7e	40.3e	51.4e	65.7e	503.0e	388.3e	177.7e	234.2e	269.1	257.0	386.4	275.0
10	72.1e	40.6e	47.4e	64.5e	507.0e	375.2e	177.8e	227.2e	266.4	258.2	406.1	255.3
11	72.8e	40.7e	43.9e	59.9e	507.0e	362.4e	183.9e	222.8e	275.3	278.1	448.9	241.7
12	73.0e	40.0e	40.5e	55.0e	507.0e	357.8e	192.4e	219.0e	282.0	383.0	457.1	229.2
13	74.1e	39.2e	37.4e	49.0e	507.0e	371.1e	200.0e	217.9e	275.6	467.9	454.3	216.1
14	74.3e	38.8e	34.9e	43.6e	453.4e	372.7e	208.2e	221.6e	268.8	484.5	476.3	203.6
15	73.1e	38.4e	34.4e	39.9e	372.8e	355.9e	232.2e	228.5e	273.9	450.9	501.1	193.4
16	72.1e	38.0e	36.7e	36.6e	338.8e	333.0e	304.4e	230.8e	282.9	420.0	513.6	183.7
17	70.6e	37.6e	40.8e	34.9e	327.5e	313.5e	373.3e	231.1e	283.4	409.4	517.9	174.7
18	67.0e	36.6e	44.5e	34.2e	305.5e	297.4e	379.9e	238.3e	278.0	401.7	514.6	168.6
19	63.1e	35.7e	45.9e	33.0e	276.9e	280.0e	343.7e	262.4e	273.7	395.3	487.4	162.7
20	61.5e	35.7e	45.6e	31.7e	249.6e	261.5e	318.4e	303.1e	271.0	377.4	457.1	155.7
21	61.2e	35.9e	45.4e	31.5e	224.7e	244.5e	300.1e	303.7	267.0	366.8	443.6	149.2
22	61.2e	35.7e	45.8e	33.0e	202.0e	231.3e	296.0e	300.5	262.6	363.8	454.5	143.1
23	61.2e	36.6e	41.8e	36.7e	184.2e	220.7e	274.5e	291.6	256.7	351.3	471.5	137.8
24	61.2e	41.5e	38.6e	49.7e	172.4e	213.7e	258.8e	290.9	247.8	336.5	473.3	133.9
25	61.2e	56.6e	37.1e	75.3e	166.6e	210.7e	246.2e	280.3	243.6	325.7	454.6	128.9
26	61.2e	76.7e	35.2e	125.0e	169.9e	209.2e	235.5e	268.8	239.1	306.1	431.9	123.7
27	59.6e	85.3e	33.1e	181.7e	238.6e	198.9e	225.0e	254.6	231.6	290.9	412.3	118.8
28	55.7e	83.3e	31.1e	226.2e	334.1e	180.4e	216.6e	266.2	226.0	280.6	395.0	115.1
29	51.6e	80.7e	29.0e	248.5e	370.0e	165.3e	212.7e	278.8	224.5	288.3	377.7	111.1
30	48.9e		26.3e	254.9e	292.8e	166.7e	207.2e	300.6	219.0	301.6	366.3	107.0
31	48.4e		24.5e		224.6e		202.1e	339.3		301.4		104.1
Mean	68.7	46.9	45.8	72.6	335.9	314.9	233.2	249.7	274.7	317.6	444.0	216.5
Maximum	93.0	85.3	77.5	254.9	507.0	471.2	379.9	339.3	352.2	484.5	517.9	405.0
Minimum	48.4	35.7	24.5	23.7	166.6	165.3	177.7	199.3	219.0	202.4	297.1	104.1
Total	184	117	123	188	900	816	625	669	712	851	1151	580

(Total flows in million cubic metres per month)

Annual statistics

Mean : 218.7 (cubic metres per second)
Maximum : 517.9 (cubic metres per second)
Minimum : 23.7 (cubic metres per second)
Total : 6915 (million cubic metres)

Data availability

Original values : 133
Estimated values (Flag e) : 233
Missing values (Flag m) : 0

Comments : Station established in August

River Jubba at Kamsuma 1973

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	99.2	42.7	17.8	5.5	26.4	84.5	107.5	250.3	350.0	313.5	457.3	170.8
2	96.5	41.7	16.8	5.1	26.2	93.9	111.0	251.9	375.8	314.7	423.5	169.5
3	94.0	39.7	15.8	4.5	28.5	97.2	111.4	236.9	401.0	325.8	398.0	168.2
4	91.8	38.8	15.0	4.1	25.7	106.5	108.4	232.8	410.3	336.1	392.3	164.4
5	90.3	37.6	14.4	3.8	20.3	127.7	103.9	257.6	414.2	347.2	400.9	156.9
6	90.1	36.4	13.5	3.7	19.1	143.9	100.4	283.1	414.5	347.4	409.7	146.8
7	90.0	35.2	12.7	3.2	22.8	153.0	97.2	274.8	400.1	346.7	409.8	142.0
8	89.0	34.2	12.2	2.7	23.6	155.8	94.6	250.3	377.0	337.9	395.6	133.2
9	86.1	34.0	12.1	2.5	30.6	153.0	97.4	226.5	353.0	330.1	375.1	128.4
10	82.6	33.4	11.3	2.1	90.3	144.5	111.0	206.1	338.4	330.1	355.4	122.1
11	80.0	32.8	10.6	2.1	118.3	133.7	119.6	195.7	329.5	324.4	338.1	116.1
12	76.9	31.8	10.5	2.2	129.8	120.4	117.4	210.1	329.5	307.2	322.7	110.3
13	72.9	31.6	10.5	2.9	147.9	108.7	112.0	218.2	348.4	296.9	305.9	105.4
14	70.7	31.0	10.5	3.6	122.8	102.4	106.9	227.5	365.8	306.9	287.5	101.2
15	69.5	30.0	10.5	3.3	88.0	94.5	102.0	221.9	383.8	329.8	270.1	97.1
16	66.9	29.3	10.4	3.4	65.2	88.9	97.7	219.2	395.6	348.1	258.7	92.6
17	64.2	28.4	9.7	3.2	52.2	82.1	96.9	223.3	387.4	363.5	250.2	88.6
18	62.6	28.1	9.6	3.2	44.7	78.6	99.1	228.9	372.7	368.6	242.6	84.8
19	61.4	27.2	9.2	3.4	42.3	80.4	98.7	231.9	358.5	384.9	234.6	81.6
20	60.6	26.1	8.9	3.2	36.1	84.4	97.3	231.4	346.1	415.5	227.9	78.6
21	56.9	25.0	8.8	3.2	33.9	86.4	97.2	230.3	342.4	460.3	225.4	75.6
22	55.6	24.0	8.8	3.6	31.7	84.4	102.2	229.3	338.1	493.4	223.7	72.7
23	54.3	23.7	8.8	4.8	29.5	79.9	107.8	230.1	321.9	511.5	219.2	69.9
24	53.0	22.3	8.4	4.4	27.7	74.5	108.3	253.6	304.1	516.8	214.5	68.2
25	51.6	20.8	8.0	4.0	26.2	71.4	106.1	349.6	288.7	518.4	212.0	66.1
26	50.3	19.8	7.4	4.7	25.1	70.3	104.5	426.5	281.4	519.6	208.8	63.7
27	48.9	19.3	7.2	5.1	23.1	72.9	107.6	436.8	278.4	519.7	202.9	62.9
28	47.3	18.7	6.6	6.7	29.5	77.1	111.6	405.3	281.9	519.7	195.2	60.0
29	46.8		6.5	17.8	41.1	82.4	127.0	348.9	297.6	519.7	186.1	57.7
30	45.2		6.5	22.9	50.0	93.2	166.7	351.3	309.5	517.1	175.3	55.8
31	43.8		6.1		64.8		219.6	344.5		496.3		54.5
Mean	69.3	30.1	10.5	4.8	49.8	100.9	111.3	267.3	349.9	399.0	294.0	102.1
Maximum	99.2	42.7	17.8	22.9	147.9	155.8	219.6	436.8	414.5	519.7	457.3	170.8
Minimum	43.8	18.7	6.1	2.1	19.1	70.3	94.6	195.7	278.4	296.9	175.3	54.5
Total	186	73	28	13	133	262	298	716	907	1069	762	274

(Total flows in million cubic metres per month)

Annual statistics

Mean : 149.6 (cubic metres per second)
Maximum : 519.7 (cubic metres per second)
Minimum : 2.1 (cubic metres per second)
Total : 4719 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments : A late and small Gu flood

River Jubba at Kamsuma 1974

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	52.0	26.6	6.4	5.9	100.0	145.2	106.5	217.9	154.1	250.9	133.6	102.9
2	49.8	27.1	5.8	6.1	97.2	138.6	102.5	200.6	148.7	244.9	128.2	97.2
3	48.4	26.9	5.2	6.2	93.9	137.8	100.3	180.6	150.7	239.2	129.5	91.8
4	47.5	25.1	4.8	6.2	89.7	138.4	98.0	165.4	153.3	233.7	135.0	87.2
5	45.9	23.4	4.4	6.1	82.9	133.1	95.3	156.2	162.4	243.5	140.2	84.0
6	44.5	22.4	4.1	5.9	74.4	127.4	91.1	156.3	164.7	265.7	166.9	81.4
7	40.0	21.7	3.8	11.1	68.0	132.3	87.8	156.5	171.1	280.3	174.2	78.2
8	38.3	20.3	3.8	45.6	64.1	171.5	84.7	157.1	183.0	283.0	188.6	76.8
9	37.5	19.2	3.4	146.0	61.0	250.1	82.1	161.3	199.9	283.1	177.4	74.1
10	36.0	18.0	2.6	200.1	57.4	284.6	83.4	167.6	235.6	282.6	197.6	71.2
11	35.7	17.6	2.1	206.4	55.5	288.2	91.9	174.1	288.2	278.4	224.9	68.5
12	34.7	16.7	1.6	195.7	52.3	295.7	107.7	179.2	338.4	270.2	242.9	66.7
13	33.8	15.6	1.5	180.3	46.1	321.3	122.3	179.2	364.8	254.9	247.1	63.9
14	32.0	15.3	1.4	166.9	44.9	312.5	123.0	174.4	388.2	237.6	245.5	60.7
15	31.9	14.8	1.7	156.6	43.4	290.0	116.9	170.2	437.7	226.6	246.8	58.4
16	33.2	14.0	1.3	154.2	48.4	273.9	110.8	165.1	465.6	219.7	247.1	56.5
17	33.4	13.1	0.9	161.7	90.2	256.0	108.1	162.6	454.3	216.4	242.2	55.0
18	33.4	12.2	0.9	170.9	130.8	235.8	108.9	169.3	427.3	215.0	232.9	53.7
19	33.4	11.6	0.9	160.9	132.5	217.5	118.2	175.3	403.8	213.6	219.9	52.2
20	33.4	10.6	1.0	147.7	132.2	202.3	135.5	177.7	382.9	214.0	205.5	50.3
21	33.4	10.2	1.6	140.6	126.5	188.2	152.7	194.8	361.3	207.8	193.7	48.7
22	33.4	10.3	6.4	132.3	123.7	172.4	215.3	245.7	342.8	198.3	184.3	49.6
23	33.4	9.6	7.2	128.3	161.4	158.0	327.2	287.9	329.4	188.4	172.4	53.5
24	33.3	8.8	6.8	126.7	174.7	147.3	373.6	278.5	324.6	178.2	156.4	52.7
25	32.3	8.0	5.9	122.4	203.7	138.5	358.3	254.1	304.7	169.1	145.2	49.1
26	31.0	7.3	5.0	115.2	207.4	139.3	331.7	235.0	287.8	158.7	137.4	46.1
27	29.0	6.9	3.9	107.9	184.6	135.4	299.3	220.2	279.7	150.7	129.0	45.0
28	27.7	6.6	3.7	101.8	161.0	127.3	284.1	206.3	272.5	146.0	121.4	43.4
29	26.3		4.9	99.9	154.5	115.4	270.9	192.8	265.5	139.7	115.1	42.4
30	26.0		4.9	100.3	154.0	109.1	254.5	176.6	256.9	139.6	108.7	40.7
31	25.7		5.7		150.1		234.2	163.4		136.9		39.1
Mean	35.7	15.7	3.7	110.5	108.6	192.8	167.0	190.4	290.0	218.3	179.7	62.6
Maximum	52.0	27.1	7.2	206.4	207.4	321.3	373.6	287.9	465.6	283.1	247.1	102.9
Minimum	25.7	6.6	0.9	5.9	43.4	109.1	82.1	156.2	148.7	136.9	108.7	39.1
Total	96	38	10	287	291	500	447	510	752	585	466	168

(Total flows in million cubic metres per month)

Annual statistics

Mean : 131.5 (cubic metres per second)
Maximum : 465.6 (cubic metres per second)
Minimum : 0.9 (cubic metres per second)
Total : 4147 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments :

River Jubba at Kamsuma 1975

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	37.4	10.4	2.9	1.0	97.4	131.4	86.0	187.8	364.4	239.1	374.8	180.6
2	36.0	10.1	2.8	0.1	91.6	130.6	85.4	203.2	350.3	240.6	368.3	176.0
3	35.1	10.0	2.3	0.0	87.6	129.9	89.6	208.6	348.5	239.2	370.2	170.8
4	34.0	9.3	1.9	0.0	101.3	125.1	104.6	208.9	344.4	234.7	404.1	164.5
5	32.4	9.0	1.8	0.0	115.3	123.9	136.8	209.3	338.6	228.0	412.1	142.9
6	31.6	9.8	1.8	0.0	110.7	143.0	145.4	223.2	338.5	234.5	374.0	134.2
7	30.5	10.0	1.8	0.0	113.2	232.1	166.1	245.9	342.5	224.9	331.2	129.0
8	29.4	13.2	1.5	0.0	132.5	242.5	171.2	268.3	341.1	211.9	294.9	124.4
9	28.4	24.1	1.1	0.0	138.6	223.9	178.0	279.7	337.3	209.8	282.2	118.9
10	27.7	24.9	0.6	0.0	133.4	208.4	184.9	291.1	327.3	212.6	263.4	114.9
11	27.1	19.8	0.5	0.0	136.6	201.5	188.6	316.9	300.3	212.0	253.6	109.4
12	26.1	14.8	0.2	0.0	154.9	200.2	197.0	340.7	304.0	204.2	247.9	104.0
13	25.0	11.9	0.2	0.0	141.5	212.8	198.5	353.6	331.5	197.5	242.5	100.2
14	23.9	10.2	0.2	0.0	127.2	201.2	194.2	367.6	352.5	205.9	236.5	95.7
15	22.9	9.3	0.0	0.0	103.1	182.2	189.1	404.6	369.2	237.5	235.0	91.7
16	22.3	7.1	0.1	0.0	98.0	176.6	187.1	422.0	379.2	332.2	225.6	87.5
17	21.7	6.2	0.0	0.0	98.8	171.4	182.5	421.7	384.1	415.9	216.4	82.0
18	20.8	5.5	0.0	0.0	143.6	143.1	176.9	412.1	378.9	456.2	204.3	79.0
19	20.3	5.1	0.0	0.0	355.5	133.3	176.0	401.7	368.0	447.0	200.4	78.1
20	20.1	4.5	0.0	0.0	397.3	128.1	174.8	387.4	356.7	433.5	209.8	74.4
21	18.7	4.4	0.0	0.0	292.7	123.1	171.6	369.5	341.9	411.7	219.0	71.8
22	16.9	4.1	0.0	0.9	212.8	114.9	169.6	355.2	331.6	394.2	225.9	68.4
23	15.9	3.5	0.0	11.2	127.2	109.8	168.7	350.8	326.4	382.5	223.8	65.6
24	15.3	3.2	0.0	19.3	90.7	107.6	168.8	359.0	322.3	389.6	218.0	63.6
25	14.4	3.2	0.0	30.3	76.7	104.4	170.0	376.6	317.7	406.5	211.5	59.6
26	13.6	3.2	0.0	65.3	71.7	100.2	165.4	383.9	297.4	407.0	207.0	58.5
27	13.1	3.1	0.0	97.9	73.9	94.6	145.3	387.1	284.5	402.7	202.7	58.3
28	12.6	2.9	0.0	101.3	97.7	88.5	141.9	391.4	257.6	394.7	201.0	57.0
29	11.8		0.0	100.4	121.4	86.4	144.8	394.2	236.4	390.5	196.8	55.9
30	11.3		1.2	99.5	131.2	86.2	167.7	390.6	226.3	387.4	185.2	55.5
31	10.6		1.9		135.3		182.2	380.1		381.0		54.5
Mean	22.8	9.0	0.7	17.6	139.0	148.6	161.6	332.0	330.0	315.0	261.3	97.6
Maximum	37.4	24.9	2.9	101.3	397.3	242.5	198.5	422.0	384.1	456.2	412.1	180.6
Minimum	10.6	2.9	0.0	0.0	71.7	86.2	85.4	187.8	226.3	197.5	185.2	54.5
Total	61	22	2	46	372	385	433	889	855	844	677	262

(Total flows in million cubic metres per month)

Annual statistics

Mean : 153.7 (cubic metres per second)
Maximum : 456.2 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 4848 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments : River dry in March/April

River Jubba at Kamsuma 1976

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	54.3	14.4	0.1	0.0	107.0	523.3e	175.7e	235.9e	196.1e	207.3e	229.7e	237.4e
2	54.0	14.7	0.0	0.0	91.5	523.3e	166.2e	214.5e	194.4e	201.8e	231.8e	217.0e
3	51.6	14.0	0.0	0.0	74.2	523.3e	157.4e	264.5e	193.4e	198.5e	245.3e	193.5e
4	49.3	13.5	0.0	0.0	50.8	523.3e	152.5e	254.5e	193.7e	195.4e	268.1e	172.7e
5	48.8	13.1	0.0	0.0	42.4	523.3e	157.5e	237.0e	193.2e	192.4e	304.8e	161.5e
6	47.9	13.0	0.0	0.0	40.9	523.3e	163.2e	224.9e	192.8e	190.3e	370.6e	155.6e
7	47.7	12.3	0.0	0.0	50.8	523.3e	163.0e	214.8e	191.2e	189.3e	466.3e	151.2e
8	47.7	12.1	0.0	0.0	53.7	499.8e	173.7e	205.2e	189.5e	191.6e	479.3e	143.8e
9	47.2	11.4	0.0	0.0	55.4	469.3e	196.2e	200.6e	190.1e	204.4e	492.7e	135.9e
10	44.2	11.2	0.0	0.0	59.4	428.6e	216.0e	198.0e	192.8e	214.3e	480.0e	131.3e
11	42.6	10.6	0.0	0.0	82.6	386.0e	219.9e	202.6e	196.2e	213.8e	433.8e	131.7e
12	41.3	10.5	0.0	0.0	88.5	351.2e	210.7e	228.1e	203.2e	213.9e	413.5e	134.8e
13	40.2	10.5	0.0	0.0	89.9	316.9e	195.9e	246.4e	219.0e	209.4e	421.5e	134.3e
14	39.3	10.4	0.0	0.0	101.2	288.9e	181.6e	261.6e	232.2e	205.1e	426.4e	131.0e
15	37.8	9.7	0.0	0.0	185.3	272.8e	190.2e	242.2e	237.9e	203.0e	436.7e	129.9e
16	36.9	9.6	0.0	0.0	303.8	259.5e	190.0e	223.8e	239.6e	206.2e	427.6e	129.2e
17	34.8	9.5	0.0	0.0	443.9	244.2e	192.7e	211.5e	249.1e	220.8e	406.6e	124.5e
18	30.4	8.9	0.0	0.0	469.2	225.2e	204.7e	204.3e	250.9e	231.8e	381.5e	118.0e
19	28.3	8.8	0.0	0.0	478.0	215.0e	208.1e	201.4e	237.6e	239.1e	364.3e	106.3e
20	26.6	8.7	0.0	0.0	496.9	208.7e	203.2e	209.6e	237.6e	252.9e	364.2e	98.2e
21	25.1	8.1	0.0	0.0	510.5	205.6e	196.0e	219.6e	257.6e	252.8e	412.1e	92.5e
22	24.2	8.0	0.0	0.1	514.4	202.5e	196.4e	227.3e	274.5e	243.1e	432.4e	87.7e
23	24.5	8.0	0.0	3.3	516.3	198.6e	208.1e	213.9e	271.8e	235.4e	422.4e	84.1e
24	22.5	7.1	0.0	8.7	520.4	194.8e	241.1e	208.9e	264.4e	229.0e	394.9e	79.5e
25	21.4	2.3	0.0	10.7	521.0	193.3e	267.7e	206.6e	259.9e	226.7e	362.7e	76.6e
26	20.6	1.6	0.0	19.4	521.0	192.8e	270.1e	203.8e	254.5e	233.1e	340.7e	74.1e
27	19.0	1.6	0.0	76.1	521.3	190.7e	270.5e	201.7e	243.6e	231.9e	323.3e	71.8e
28	18.7	1.6	0.0	94.3	523.4	185.4e	271.7e	201.1e	232.3e	230.6e	296.4e	71.4e
29	18.2	1.3	0.0	126.9	524.7	179.0e	268.2e	199.5e	226.2e	231.2e	278.2e	71.4e
30	17.3		0.0	143.3	525.6	175.1e	262.5e	198.3e	219.7e	232.0e	266.1e	69.2e
31	16.1		0.0		529.5		255.7e	197.2e		231.3e		65.7e
Mean	34.8	9.2	0.0	16.1	293.3	324.9	207.3	218.0	224.5	218.0	372.5	122.0
Maximum	54.3	14.7	0.1	143.3	529.5	523.3	271.7	264.5	274.5	252.9	492.7	237.4
Minimum	16.1	1.3	0.0	0.0	40.9	175.1	152.5	197.2	189.5	189.3	229.7	65.7
Total	93	23	0	42	786	842	555	584	582	584	965	327

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	170.2	(cubic metres per second)
Maximum	:	529.5	(cubic metres per second)
Minimum	:	0.0	(cubic metres per second)
Total	:	5383	(million cubic metres)

Data availability

Original values	:	152
Estimated values (Flag e)	:	214
Missing values (Flag m)	:	0

Comments : River dry in March/April; observations discontinued from June

River Jubba at Kamsuma 1988

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	82.3e	33.8e	17.9e	26.5e	165.2e	167.7e	146.5e	345.9e	318.7e	264.9e	496.7	132.7
2	75.8e	20.9e	18.0e	40.9e	184.7e	168.6e	148.2e	349.1e	317.1e	265.9e	498.9	127.2
3	71.7e	19.8e	17.6e	33.3e	195.6e	164.9e	145.1e	330.9e	310.4e	278.4e	497.8	121.2
4	68.5e	28.4e	17.4e	32.5e	203.5e	158.8e	140.6e	314.0e	292.5e	274.0e	496.2	119.8
5	65.1e	48.4e	15.7e	34.0e	292.5e	148.3e	136.8e	296.1e	286.9e	272.3e	495.1	113.3
6	61.5e	47.5e	14.7e	22.1e	305.9e	142.2e	129.7e	282.4e	269.7e	266.2e	490.3	103.8
7	57.9e	29.0e	15.3e	22.4e	239.3e	141.5e	116.8e	266.2e	260.2	269.3e	482.5	97.8
8	55.9e	18.9e	16.5e	22.8e	196.0e	130.6e	104.2e	259.0e	243.7	280.0e	475.0	99.9
9	54.7e	17.5e	16.3e	22.7e	190.6e	127.2e	102.6e	257.2e	236.4	293.4e	465.2	93.3
10	52.5e	17.4e	18.7e	22.6e	186.9e	119.9e	101.7e	259.2e	238.0e	297.4e	457.8	89.9
11	43.4e	17.3e	21.4e	23.4e	178.5e	98.0e	92.9e	251.4e	228.3e	298.2e	445.2	86.9
12	41.8e	21.3e	20.7e	23.6e	169.5e	82.9e	85.1e	273.0e	227.4e	303.5e	423.1	79.9
13	46.5e	35.8e	17.7e	25.2e	166.8e	82.4e	88.1e	321.7e	220.3e	311.3e	399.7	72.7
14	45.4e	48.4e	16.6e	30.3e	173.1e	76.2e	101.2e	388.9e	220.4e	318.9e	374.5	72.2
15	33.9e	32.7e	16.7e	44.0e	176.7e	65.5e	122.7e	417.4e	240.9e	339.3e	351.8	72.2
16	32.5e	19.3e	16.1e	74.5e	159.7e	66.2e	145.3e	411.7e	248.3e	378.0e	336.6	72.2
17	48.9e	17.6e	17.3e	173.1e	139.3	71.0e	155.7e	399.6e	258.2e	402.5e	333.8	71.4
18	45.2e	20.4e	19.7e	299.2e	121.4e	74.8e	166.8e	387.0e	268.8e	417.5e	337.3	60.7
19	32.8e	22.3e	19.9e	308.2	121.8	71.9e	158.7e	376.3e	265.8e	432.4e	281.2	63.3
20	34.1e	25.3e	20.7e	259.6e	136.3e	69.6e	159.5e	370.5e	257.5e	438.6e	258.8	62.5
21	42.9e	24.4e	18.7e	226.2e	149.2e	67.8e	175.3e	387.4e	252.0e	433.4e	225.8	59.8
22	34.8e	24.6e	17.4e	205.0e	141.9	65.5e	189.4e	416.8e	243.8e	440.6e	240.4	58.7
23	33.9e	24.7e	17.8e	211.2e	144.4e	65.1e	190.2e	415.2e	233.4e	453.7e	198.3	56.0
24	49.6e	24.2e	19.1e	199.6e	142.8e	71.3e	184.7e	385.9e	226.3e	482.3e	193.5	55.9
25	51.3e	24.1e	20.3e	241.2e	136.9e	91.1e	178.8e	362.4e	216.4e	496.7e	185.6	54.1
26	46.0e	23.9e	20.7e	250.8e	124.1e	119.6e	171.1e	370.4e	223.0e	496.7e	162.2	57.1
27	32.7e	23.0e	19.7e	216.8e	121.8e	135.9e	163.4	310.6e	274.0e	496.7e	155.0	56.7
28	22.7e	21.7e	18.0e	192.3e	124.9e	142.8e	283.0	283.4e	285.6e	496.7e	154.0	56.6
29	27.2e	19.9e	15.5e	177.2e	140.8e	142.4e	339.4e	273.9e	282.9e	496.7e	146.7	58.7
30	50.6e		15.9e	167.1e	169.9e	142.6e	358.8	273.1e	268.4e	496.7e	139.6	56.0
31	49.2e		18.3e		174.9e		344.9e	300.5e		496.7e		55.3
Mean	48.1	26.0	17.9	120.9	170.2	109.1	165.4	333.5	257.2	377.1	340.0	78.6
Maximum	82.3	48.4	21.4	308.2	305.9	168.6	358.8	417.4	318.7	496.7	498.9	132.7
Minimum	22.7	17.3	14.7	22.1	121.4	65.1	85.1	251.4	216.4	264.9	139.6	54.1
Total	129	65	48	313	456	283	443	893	667	1010	881	211

(Total flows in million cubic metres per month)

Annual statistics

Mean : 170.7 (cubic metres per second)
Maximum : 498.9 (cubic metres per second)
Minimum : 14.7 (cubic metres per second)
Total : 5398 (million cubic metres)

Data availability

Original values : 71
Estimated values (Flag e) : 295
Missing values (Flag m) : 0

Comments : Occasional spot observations prior to restart of regular readings in November

River Jubba at Kamsuma 1989

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	52.8	16.4	2.2	55.4	177.0	262.7	197.5	191.9	178.3	316.3e	484.9e	399.1e
2	52.2	15.7	2.1	38.3	262.7	222.4	199.0	200.3	184.4	308.4e	485.8e	378.6e
3	52.0	14.5	2.0	22.5	444.5	200.2	197.7	269.7	191.6	301.9e	486.5e	338.8e
4	48.8	12.7	1.9	13.5	485.7	189.5	178.4	293.5	187.1	302.4e	486.5e	326.7e
5	48.1	11.9	2.0	13.2	493.9	174.5	171.0	286.5	182.4	315.1e	487.1e	323.0e
6	43.4	12.3	2.5	12.2	493.9	167.0	159.8	283.3	178.9	338.2e	486.7e	316.2e
7	38.4	13.2	4.7	10.8	493.9	165.3	149.0	273.4	179.7	380.8e	490.7e	312.2e
8	36.6	12.8	5.1	10.0	493.9	159.3	138.6	266.2	182.5	423.4e	492.8e	324.0e
9	35.1	10.9	5.2	9.4	494.7	150.5	135.9	252.7	190.4	436.1e	495.2	312.8e
10	34.9	10.9	5.1	9.0	506.3	144.8	129.4	234.7	232.4	446.2e	495.1e	290.8e
11	33.0	11.4	2.5	14.3	505.4	144.1	121.6	233.2	261.0	447.5e	490.9e	294.0e
12	32.7	10.8	1.4	158.7	504.7	143.8	118.7	232.4	281.4e	448.4e	483.1e	284.4e
13	30.4	10.4	0.6	324.6	508.3	144.9	112.9	220.7	303.5e	448.6e	474.3e	272.1e
14	28.4	10.0	0.8	328.9	511.2	139.4	111.2	216.1	318.9e	449.8e	469.5e	247.8e
15	26.7	9.4	0.4	277.6	513.8	129.7	108.3	207.3	337.6e	452.9e	467.3e	244.7e
16	23.9	8.8	0.1	370.7	498.7	123.0	106.0	198.3	348.9e	453.7e	466.1e	239.1e
17	26.7	9.3	0.1	342.0	476.1	115.5	101.9	183.6	363.0e	454.0e	464.9e	227.0e
18	26.3	9.0	1.0	267.1	442.7	112.4	102.1	169.8	368.3e	453.7e	463.4e	222.4e
19	25.4	9.0	2.3	207.2	400.0	105.4	128.0	162.5	386.6e	449.5e	459.4e	228.1e
20	23.1	9.0	5.1	247.3	360.8	100.1	142.3	162.1	425.8e	445.6e	450.2e	299.8e
21	21.7	8.1	3.4	318.3	318.9	94.7	153.2	162.1	435.0e	434.8e	438.3e	342.5e
22	20.8	7.5	0.7	341.9	302.2	99.1	159.7	161.9	434.1e	431.2e	423.4e	347.6e
23	19.7	8.0	0.2	320.3	311.8	200.6	156.1	168.0	430.4e	440.8e	406.1e	338.2e
24	17.7	7.4	1.1	279.4	297.0	215.5	177.3	164.6	413.5e	463.6e	409.3e	331.4e
25	16.0	7.1	0.6	264.6	309.5	214.6	196.2	166.8	393.5e	465.3e	407.6e	322.8e
26	18.3	6.2	0.3	225.9	312.3	213.1	211.3	169.7	381.6e	467.9e	408.2e	302.4e
27	16.7	4.4	0.2	199.4	323.2	223.5	228.5	161.4	375.9e	469.9e	407.1e	298.7e
28	16.9	2.3	0.1	196.8	323.2	227.0	230.4	166.6	370.1e	474.1e	404.7e	291.1e
29	16.1		0.0	161.6	311.3	210.8	219.5	166.2	347.8e	478.9e	401.1e	261.0e
30	15.0		2.9	156.4	295.9	202.1	207.0	161.4	335.9e	481.1e	402.9e	251.5e
31	15.2		57.6		279.6		193.5	163.0		483.0e		238.5e
Mean	29.5	10.0	3.7	173.3	401.7	166.5	159.4	204.8	306.7	424.6	456.3	297.0
Maximum	52.8	16.4	57.6	370.7	513.8	262.7	230.4	293.5	435.0	483.0	495.2	399.1
Minimum	15.0	2.3	0.0	9.0	177.0	94.7	101.9	161.4	178.3	301.9	401.1	222.4
Total	79	24	10	449	1076	432	427	549	795	1137	1183	796

(Total flows in million cubic metres per month)

Annual statistics

Mean : 220.6 (cubic metres per second)
Maximum : 513.8 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 6956 (million cubic metres)

Data availability

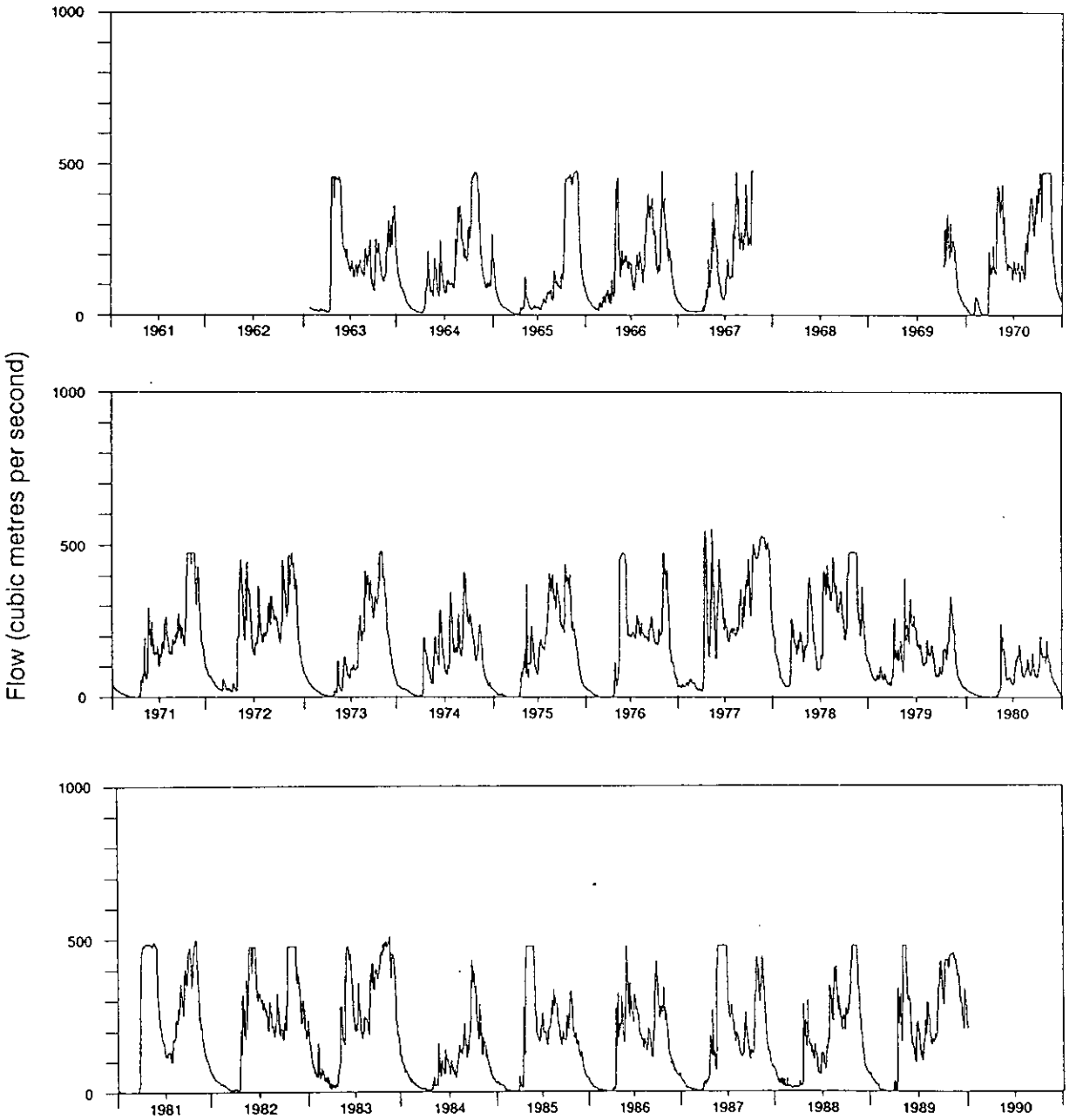
Original values : 255
Estimated values (Flag e) : 110
Missing values (Flag m) : 0

Comments : Observer left in September; no adequate replacement found

JAMAMME

1963 - 1989

River Jubba: Daily mean flows for Jamamme
for the period 1963 - 1989



River Jubba at Jamamme 1963

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	23.4e	13.2e	11.9e	419.7	304.2	148.2	140.1	210.3	82.7	140.3	246.5
2	m	22.9e	12.8e	11.4e	399.8	286.0	144.9	145.2	199.4	79.1	132.8	237.9
3	m	22.3e	12.5e	10.3e	386.7	263.3	152.2	164.6	194.6	79.6	128.7	228.1
4	m	21.6e	12.1e	9.7e	432.2	247.1	162.1	166.4	181.4	85.1	124.6	223.1
5	m	20.4e	11.9e	9.9e	459.3	240.5	160.2	160.0	167.7	103.9	121.0	240.1
6	m	19.4e	11.9e	10.3e	459.5	231.7	153.4	161.0	159.1	129.2	118.2	300.1
7	m	19.1e	12.1e	10.0e	456.2	228.1	152.1	173.2	170.6	157.4	112.7	296.2
8	m	18.8e	13.1e	9.8e	453.1	221.8	155.3	183.0	198.1	199.9	109.3	247.3
9	m	18.5e	15.4e	10.0e	449.4	217.8	165.8	182.2	184.7	251.1	108.2	249.3
10	m	17.7e	18.1e	10.3e	453.4	217.8	180.9	177.2	177.2	252.8	110.6	243.3
11	m	16.7e	19.6e	10.8e	455.8	220.8	164.9	165.9	177.9	243.3	116.7	232.3
12	m	16.2e	19.2e	11.8e	449.9	206.8	150.8	157.3	211.8	229.2	126.7	234.0
13	m	16.0e	18.0e	13.3e	454.1	200.1	139.1	153.8	205.1	215.8	124.9e	258.9
14	m	15.6e	17.3e	15.2e	452.2	195.6	134.0	153.4	199.4	206.2	127.2e	327.6
15	m	15.3e	16.8e	15.6e	448.1	195.3	125.8	151.1	212.6	205.3	132.1e	327.7
16	m	15.8e	15.9e	18.7e	445.5	189.9	121.3	148.2	250.3	206.6	134.1e	322.1
17	m	17.1e	15.0e	29.9e	445.1	199.1	128.0	141.4	190.4	208.1	138.9e	327.7
18	m	18.2e	14.2e	55.6e	454.3	206.8	129.6	133.8	179.3	216.9	146.4e	319.4
19	m	18.2e	13.6e	139.3e	457.1	215.4	129.2	134.7	163.7	232.6	171.1e	327.6
20	m	17.3e	13.2e	286.2e	454.4	219.5	132.8	139.2	151.2	241.1	205.7e	362.1
21	m	16.8e	13.2e	433.7e	454.1	205.8	151.6	143.3	138.5	233.8	222.0e	354.9
22	m	16.0e	14.0e	457.1e	452.2	194.9	152.1	140.8	123.7	228.9	221.9e	324.4
23	m	15.3e	14.9e	457.1e	448.6	184.2	154.8	134.5	116.2	222.7	232.3	298.9
24	m	15.1e	15.6e	457.1e	447.6	175.4	161.0	128.3	110.8	208.4	265.3	271.7
25	m	14.7e	16.3e	457.1e	442.7	169.2	168.9	126.1	107.0	196.9	286.2	245.5
26	m	14.3e	16.4e	457.1e	434.4	172.2	163.2	138.8	103.2	183.1	300.2	226.6
27	m	13.9e	15.6e	457.1e	414.7	168.6	159.2	156.8	99.1	171.4	315.0	212.7
28	m	13.6e	14.2e	457.1e	382.7	160.2	142.6	178.4	93.9	166.3	298.9	200.1
29	24.1e		13.6e	457.1e	343.8	153.8	126.5	196.9	90.1	164.1	274.6	193.4
30	23.9e		13.1e	457.1e	325.2	152.9	147.6	221.4	87.3	158.6	259.7	186.7
31	23.6e		12.5e		325.0		135.2	220.6		149.5		183.0
Mean	-	17.5	14.7	174.9	430.9	208.2	148.2	158.6	161.8	184.2	176.9	266.1
Maximum	-	23.4	19.6	457.1	459.5	304.2	180.9	221.4	250.3	252.8	315.0	362.1
Minimum	-	13.6	11.9	9.7	325.0	152.9	121.3	126.1	87.3	79.1	108.2	183.0
Total	-	42	39	453	1154	540	397	425	419	493	458	713

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	235
Estimated values (Flag e)	:	102
Missing values (Flag m)	:	28

Comments :

River Jubba at Jamamme 1964

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	159.5	56.6	17.8	8.4	131.2	121.0	80.6	98.7	356.4	271.6	466.4	123.8
2	151.5	53.8	17.1	7.4	137.9	110.0	77.3	94.9	344.9	292.7	467.5	125.0
3	144.9	51.3	17.1	6.8	147.6	100.1	74.1	92.6	332.0	294.4	468.2	125.1
4	139.8	48.7	17.1	6.4	132.4	91.3	72.0	91.0	310.8	293.0	465.5	122.3
5	132.8	46.3	16.8	6.6	105.3	83.7	72.2	89.7	281.4	282.3	456.5	116.3
6	129.0	44.0	16.5	7.8	83.7	76.7	72.7	88.0	261.4	268.2	444.6	108.6
7	126.0	42.6	16.1	8.3	75.7	71.2	73.2	87.6	251.4	256.4	432.8	103.5
8	121.6	41.1	15.3	8.0	75.3	67.3	74.7	90.4	246.9	253.4	423.2	98.6
9	116.5	39.9	14.7	8.6	75.8	63.1	80.6	97.3	247.9	256.0	412.9	94.3
10	111.8	38.1	13.9	11.3	78.5	60.8	90.9	125.3	244.9	262.8	405.8	92.1
11	107.1	36.7	13.2	13.7	81.8	59.4	104.7	192.6	237.0	286.0	396.7	91.6
12	103.9	34.7	13.2	14.3	79.9	65.2	113.7	237.9	225.7	305.0	384.7	92.7
13	99.9	33.0	12.9	14.9	74.6	115.5	113.9	253.9	212.4	330.0	364.9	91.0
14	93.1	32.3	12.3	18.3	75.2	226.5	113.1	246.4	201.0	383.8	343.0	88.2
15	89.1	31.7	11.6	25.9	79.3	251.3	114.3	226.5	192.0	439.4	318.8	88.4
16	88.1	30.2	11.3	33.8	81.0	231.8	116.7	208.9	187.1	456.6	296.7	92.9
17	89.6	29.5	10.6	33.7	75.1	211.1	115.0	197.0	189.9	458.9	276.9	103.3
18	89.8	29.7	10.2	35.5	64.9	194.6	109.7	211.3	200.8	453.6	256.9	109.8
19	88.6	29.5	10.2	47.1	58.4	181.4	104.7	270.2	214.4	452.7	241.3	102.6
20	87.6	27.5	10.2	76.8	64.1	167.7	102.8	323.4	220.4	458.8	222.5	100.8
21	86.6	23.5	9.9	82.0	96.5	155.7	102.9	360.4	217.3	457.1	206.8	104.5
22	83.9	22.5	9.5	90.5	134.1	144.0	102.2	354.0	210.9	455.7	193.9	102.1
23	80.1	21.6	9.2	98.3	159.0	133.5	98.1	336.1	199.7	461.5	184.6	94.3
24	77.0	21.0	8.6	97.8	184.9	125.9	100.0	318.3	188.4	465.8	173.7	92.1
25	74.7	20.3	8.4	103.7	189.6	118.4	103.3	305.5	181.3	466.2	161.6	100.7
26	72.0	19.8	8.3	139.7	178.7	110.7	102.6	307.2	177.5	471.1	152.9	113.4
27	69.3	19.5	8.6	200.3	165.3	103.9	103.0	324.7	176.1	472.0	145.3	111.9
28	66.7	19.2	8.2	214.8	160.2	97.6	106.5	349.3	182.6	472.3	137.0	99.6
29	64.0	18.7	8.2	197.8	157.6	91.1	108.0	363.7	199.7	473.2	130.1	93.5
30	61.2		8.3	178.8	149.3	85.4	105.7	365.1	234.1	472.4	126.1	100.4
31	59.1		8.7		135.3		102.1	363.1		468.9		118.2
Mean	98.9	33.2	12.1	59.9	112.5	123.9	97.1	228.1	230.9	383.6	305.2	103.3
Maximum	159.5	56.6	17.8	214.8	189.6	251.3	116.7	365.1	356.4	473.2	468.2	125.1
Minimum	59.1	18.7	8.2	6.4	58.4	59.4	72.0	87.6	176.1	253.4	126.1	88.2
Total	265	83	32	155	301	321	260	611	598	1027	791	277

(Total flows in million cubic metres per month)

Annual statistics

Mean : 149.4 (cubic metres per second)
Maximum : 473.2 (cubic metres per second)
Minimum : 6.4 (cubic metres per second)
Total : 4723 (million cubic metres)

Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments :

River Jubba at Jamamme 1965

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	137.8	45.9	20.1	5.0	18.4	27.7	28.2	40.3	56.5	85.8	453.2	476.1
2	154.3	44.1	20.0	5.1	17.9	25.5	27.9	38.8	70.4	99.1	455.5	474.5
3	215.3	43.6	19.8	4.7	19.1	23.4	26.3	38.4	97.2	127.6	459.6	473.1
4	270.6	42.7	19.1	4.3	22.6	22.3	25.0	39.0	133.3	138.4	463.4	468.0
5	265.8	41.0	18.5	4.2	25.0	21.1	23.5	41.7	148.7	136.6	463.7	456.0
6	246.0	39.2	17.8	4.1	24.5	20.4	21.7	54.2	145.6	132.6	462.2	438.5
7	227.9	36.4	17.0	4.0	22.3	19.3	20.2	69.5	138.3	127.5	460.3	412.5
8	212.3	34.8	16.2	3.9	21.3	18.9	19.1	74.8	130.3	122.7	456.2	372.9
9	196.4	32.9	15.3	3.6	19.1	18.8	18.3	76.4	121.4	118.5	447.5	338.3
10	180.2	31.3	14.9	3.4	19.5	18.8	17.9	76.6	113.6	114.8	441.2	314.3
11	167.1	30.0	14.3	2.9	35.4	19.6	16.2	74.5	107.0	134.5	435.0	288.1
12	154.2	29.6	14.1	2.6	64.5	19.7	15.4	71.7	103.2	193.5	430.5	263.5
13	142.7	29.3	13.7	3.3	98.8	19.3	15.3	72.1	108.2	222.9	430.2	243.3
14	131.4	28.9	12.5	3.8	122.0	19.4	15.6	72.5	113.4	227.1	427.7	226.5
15	119.1	27.2	12.0	4.0	131.6	20.6	20.4	71.0	109.8	277.7	436.1	213.0
16	107.6	26.2	11.2	3.6	118.1	23.0	26.9	69.7	102.3	364.3	446.9	200.9
17	97.8	25.3	10.6	3.2	98.3	27.6	32.5	71.0	97.8	429.6	454.6	187.6
18	89.6	24.2	10.3	3.1	81.1	31.9	34.4	76.7	96.6	446.6	456.8	174.5
19	84.3	23.9	10.3	3.1	69.5	32.9	34.5	82.7	102.1	448.5	460.5	163.7
20	80.0	23.4	10.2	4.3	63.0	31.3	34.0	84.4	106.3	449.1	463.1	153.9
21	76.3	23.1	9.3	6.3	60.5	28.7	34.5	82.6	104.6	449.2	467.1	144.8
22	73.0	23.5	8.8	5.9	57.8	26.5	39.7	78.1	98.1	451.4	471.2	137.4
23	70.5	24.2	8.4	5.2	54.9	24.6	45.4	71.2	91.9	452.5	473.6	130.6
24	68.4	23.9	8.0	5.9	52.1	22.7	49.1	65.2	90.1	450.7	473.4	122.4
25	65.5	22.8	7.5	15.0	48.1	21.4	52.2	59.6	92.0	452.3	475.3	117.7
26	61.8	22.4	7.4	22.7	44.8	21.1	53.9	54.8	94.9	451.1	475.6	113.1
27	58.1	21.8	7.2	25.7	40.6	22.1	52.7	51.2	96.4	452.6	475.6	109.0
28	55.1	20.8	6.4	25.3	37.6	24.8	50.4	48.8	94.1	454.2	476.1	106.0
29	52.5		5.8	21.4	34.6	27.4	47.3	47.7	89.4	452.2	477.2	99.4
30	50.4		5.4	19.1	32.2	28.1	44.2	49.1	86.1	450.5	475.8	95.9
31	48.1		5.1		29.7		42.0	51.6		452.0		98.6
Mean	127.7	30.1	12.2	7.6	51.1	23.6	31.8	63.1	104.7	302.1	458.2	245.6
Maximum	270.6	45.9	20.1	25.7	131.6	32.9	53.9	84.4	148.7	454.2	477.2	476.1
Minimum	48.1	20.8	5.1	2.6	17.9	18.8	15.3	38.4	56.5	85.8	427.7	95.9
Total	342	73	33	20	137	61	85	169	271	809	1188	658

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	121.9	(cubic metres per second)
Maximum	:	477.2	(cubic metres per second)
Minimum	:	2.6	(cubic metres per second)
Total	:	3845	(million cubic metres)

Data availability

Original values	:	365
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	0

Comments : Virtually no Gu flood, but an extended Der flood with bank-full conditions for about 7 weeks

River Jubba at Jamamme 1966

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	97.4	30.3	35.9e	73.3e	269.9e	169.3e	167.5e	167.8e	268.2e	267.2e	369.7e	222.3e
2	95.1	29.6	39.8e	84.9e	302.3e	172.3e	167.1e	157.0e	270.1e	270.8e	418.3e	216.0e
3	90.9	28.9	42.5e	73.8e	330.6e	168.9e	170.0e	150.2e	300.3e	276.2e	477.0e	209.3e
4	86.8	28.6	42.6e	66.0e	367.6e	167.9e	150.9e	151.0e	328.8e	282.6e	477.0e	205.1e
5	82.8	27.8	40.7e	58.6e	393.9e	182.0e	140.7e	160.0e	336.7e	282.1e	410.5e	196.5e
6	78.8	26.0	37.4e	53.6e	409.7e	193.7e	133.8e	168.9e	326.1e	270.6e	368.6e	188.5e
7	75.1	25.3	32.7e	50.6e	435.6e	200.7e	126.7e	191.2e	342.0e	269.4e	374.8e	181.2e
8	71.9	24.7	29.0e	43.9e	446.7e	197.4e	121.7e	208.2e	368.9e	250.8e	373.1e	168.4e
9	68.7	24.3	26.8e	40.0e	454.2e	184.3e	118.1e	210.5e	389.3e	229.0e	372.6e	154.7e
10	65.6	23.9	24.3e	38.0e	443.2e	174.0e	112.4e	204.8e	401.0e	210.1e	347.1e	144.3e
11	62.6	23.4	23.5e	46.5e	416.9e	179.1e	104.2e	193.1e	386.9e	194.1e	338.2e	135.0e
12	60.3	23.1	28.6e	72.3e	372.8e	185.2e	97.0e	179.4e	365.0e	183.3e	387.9e	126.3e
13	58.6	21.9	35.4e	56.5e	326.0e	192.0e	93.9e	174.6e	360.4e	169.9e	352.8e	119.5e
14	56.2	21.3	37.6e	42.5e	276.6e	196.4e	92.7e	175.8e	362.1e	158.5e	329.6e	113.8e
15	53.8	20.7	39.8e	34.5e	224.9e	199.6e	90.1e	174.2e	353.4e	146.8e	312.2e	107.3e
16	51.6	20.0	52.1e	34.7e	204.4e	194.9e	85.1e	168.0e	332.2e	138.0e	298.1e	100.8e
17	50.4	19.5	56.6e	55.6e	201.0e	185.1e	79.8e	158.8e	319.5e	135.6e	287.9e	96.9e
18	49.2	19.5	63.7e	104.2e	208.4e	172.5e	85.7e	148.7e	334.0e	146.7e	284.1e	92.2e
19	47.5	19.3	61.7e	116.2e	173.6e	160.4e	100.7e	133.3e	352.6e	168.9e	276.8e	87.9e
20	46.3	18.5	57.6e	79.3e	151.0e	153.5e	109.4e	115.2e	361.9e	167.1e	267.3e	84.0e
21	45.2	17.9	53.0e	72.8e	130.1e	152.8e	109.8e	105.5e	358.5e	155.6e	260.0e	78.9e
22	43.7	17.4	47.6e	74.6e	124.9e	152.8e	113.2e	106.5e	353.1e	148.1e	246.6e	72.2e
23	43.1	17.1	44.0e	65.3e	130.9e	153.2e	122.8e	134.0e	367.0e	143.5e	230.2e	64.6e
24	41.7	16.9	40.8e	59.9e	140.9e	169.8e	131.4e	152.4e	389.4e	145.4e	215.8e	68.4e
25	39.9	16.9	37.8e	61.7e	158.7e	178.1e	148.4e	150.0e	389.7e	156.7e	200.1e	67.7e
26	38.1	16.1	39.2e	63.3e	207.8e	178.5e	184.4e	145.1e	368.4e	179.7e	186.7e	64.7e
27	36.9	15.4	61.6e	59.4e	214.6e	173.8e	202.8e	148.7e	339.7e	147.0e	177.6e	62.0e
28	35.9	15.1	66.6e	76.7e	199.1e	172.2e	201.5e	180.4e	311.2e	201.3e	178.0e	59.8e
29	34.4		71.4e	215.3e	180.3e	171.4e	194.1e	225.8e	290.0e	275.1e	204.0e	57.3e
30	32.9		68.5e	267.3e	171.6e	169.9e	181.7e	251.6e	276.2e	312.8e	219.3e	54.4e
31	31.7		72.4e		165.3e		173.6e	261.6e		342.3e		52.6e
Mean	57.2	21.8	45.5	74.7	265.6	176.7	132.6	169.4	343.4	207.3	308.1	117.8
Maximum	97.4	30.3	72.4	267.3	454.2	200.7	202.8	261.6	401.0	342.3	477.0	222.3
Minimum	31.7	15.1	23.5	34.5	124.9	152.8	79.8	105.5	268.2	135.6	177.6	52.6
Total	153	53	122	194	711	458	355	454	890	555	799	316

(Total flows in million cubic metres per month)

Annual statistics

Mean : 160.4 (cubic metres per second)
Maximum : 477.0 (cubic metres per second)
Minimum : 15.1 (cubic metres per second)
Total : 5059 (million cubic metres)

Data availability

Original values : 59
Estimated values (Flag e) : 306
Missing values (Flag m) : 0

Comments : Original data for Jan and Feb only; no further observations until 1970

River Jubba at Jamamme 1967

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	50.8e	16.6e	12.7e	12.3e	160.4e	217.8e	59.1e	147.5e	228.3e	233.7e	m	m
2	48.9e	15.7e	12.7e	12.3e	136.5e	199.4e	67.3e	200.3e	247.7e	231.0e	m	m
3	47.0e	15.3e	12.7e	12.3e	134.2e	184.7e	67.0e	232.8e	260.2e	230.6e	m	m
4	45.5e	15.0e	12.7e	12.3e	127.7e	182.5e	65.5e	268.6e	275.7e	234.0e	m	m
5	44.1e	14.4e	12.6e	12.3e	148.2e	171.2e	84.3e	275.1e	272.5e	243.0e	m	m
6	42.7e	14.1e	12.6e	12.3e	142.3e	150.9e	111.7e	279.6e	259.2e	250.5e	m	m
7	41.5e	13.5e	12.6e	12.3e	91.9e	135.6e	123.5e	281.7e	242.1e	258.3e	m	m
8	40.5e	13.0e	12.6e	17.2e	99.7e	123.0e	123.6e	278.1e	233.9e	263.0e	m	m
9	39.6e	12.9e	12.6e	24.4e	118.0e	116.6e	125.3e	268.2e	225.3e	259.8e	m	m
10	39.0e	12.9e	12.6e	18.7e	147.4e	112.9e	132.8e	253.0e	213.4e	250.4e	m	m
11	38.0e	12.9e	12.6e	32.1e	154.8e	104.3e	154.4e	267.8e	215.2e	234.3e	m	m
12	36.6e	12.9e	12.6e	22.3e	272.9e	101.2e	176.5e	319.9e	224.4e	230.6e	m	m
13	34.7e	12.9e	12.6e	15.3e	236.0e	100.2e	186.9e	408.3e	229.4e	289.5e	m	m
14	33.6e	12.9e	12.5e	12.8e	246.6e	103.0e	182.2e	462.9e	239.0e	477.0e	m	m
15	32.2e	12.8e	12.5e	12.4e	375.0e	96.8e	170.0e	476.5e	258.5e	477.0e	m	m
16	30.9e	12.8e	12.5e	12.3e	283.0e	85.8e	157.7e	462.9e	273.2e	477.0e	m	m
17	29.4e	12.8e	12.5e	20.4e	221.0e	78.1e	144.9e	443.5e	268.9e	477.0e	m	m
18	28.2e	12.8e	12.5e	49.5e	212.2e	74.2e	134.3e	402.4e	262.4e	477.0e	m	m
19	27.3e	12.8e	12.5e	51.0e	247.2e	68.3e	126.8e	393.3e	289.0e	477.0e	m	m
20	26.0e	12.8e	12.5e	58.3e	295.9e	62.7e	121.4e	394.5e	357.8e	477.0e	m	m
21	25.1e	12.8e	12.5e	84.8e	320.2e	59.5e	118.1e	379.3e	405.5e	477.0e	m	m
22	24.1e	12.8e	12.5e	66.7e	315.4e	57.6e	119.9e	348.6e	433.9e	m	m	m
23	23.1e	12.8e	12.4e	56.3e	286.5e	55.1e	124.3e	319.7e	418.8e	m	m	m
24	22.3e	12.7e	12.4e	58.6e	267.7e	51.9e	126.3e	292.1e	377.7e	m	m	m
25	21.6e	12.7e	12.4e	48.2e	281.6e	50.8e	128.8e	278.6e	333.4e	m	m	m
26	20.9e	12.7e	12.4e	49.7e	293.2e	52.6e	128.1e	260.1e	295.4e	m	m	m
27	20.4e	12.7e	12.4e	69.1e	259.5e	55.2e	126.8e	237.8e	270.3e	m	m	m
28	19.6e	12.7e	12.4e	113.2e	242.6e	52.8e	131.1e	231.3e	257.1e	m	m	m
29	18.9e		12.4e	113.4e	229.7e	50.0e	129.8e	222.6e	239.3e	m	m	m
30	18.2e		12.4e	185.5e	230.3e	52.5e	124.6e	218.1e	232.3e	m	m	m
31	17.3e		12.4e		233.6e		125.8e	221.0e		m		m
Mean	31.9	13.3	12.5	42.6	219.7	100.2	125.8	307.3	278.0	-	-	-
Maximum	50.8	16.6	12.7	185.5	375.0	217.8	186.9	476.5	433.9	-	-	-
Minimum	17.3	12.7	12.4	12.3	91.9	50.0	59.1	147.5	213.4	-	-	-
Total	85	32	34	110	588	260	337	823	721	-	-	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	0
Estimated values (Flag e)	:	294
Missing values (Flag m)	:	71

Comments : No data available for any Jubba station from October

River Jubba at Jamamme 1968

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	m	m	m	m	m	m	m	m	m
2	m	m	m	m	m	m	m	m	m	m	m	m
3	m	m	m	m	m	m	m	m	m	m	m	m
4	m	m	m	m	m	m	m	m	m	m	m	m
5	m	m	m	m	m	m	m	m	m	m	m	m
6	m	m	m	m	m	m	m	m	m	m	m	m
7	m	m	m	m	m	m	m	m	m	m	m	m
8	m	m	m	m	m	m	m	m	m	m	m	m
9	m	m	m	m	m	m	m	m	m	m	m	m
10	m	m	m	m	m	m	m	m	m	m	m	m
11	m	m	m	m	m	m	m	m	m	m	m	m
12	m	m	m	m	m	m	m	m	m	m	m	m
13	m	m	m	m	m	m	m	m	m	m	m	m
14	m	m	m	m	m	m	m	m	m	m	m	m
15	m	m	m	m	m	m	m	m	m	m	m	m
16	m	m	m	m	m	m	m	m	m	m	m	m
17	m	m	m	m	m	m	m	m	m	m	m	m
18	m	m	m	m	m	m	m	m	m	m	m	m
19	m	m	m	m	m	m	m	m	m	m	m	m
20	m	m	m	m	m	m	m	m	m	m	m	m
21	m	m	m	m	m	m	m	m	m	m	m	m
22	m	m	m	m	m	m	m	m	m	m	m	m
23	m	m	m	m	m	m	m	m	m	m	m	m
24	m	m	m	m	m	m	m	m	m	m	m	m
25	m	m	m	m	m	m	m	m	m	m	m	m
26	m	m	m	m	m	m	m	m	m	m	m	m
27	m	m	m	m	m	m	m	m	m	m	m	m
28	m	m	m	m	m	m	m	m	m	m	m	m
29	m	m	m	m	m	m	m	m	m	m	m	m
30	m		m	m	m	m	m	m	m	m	m	m
31	m		m		m		m	m		m		m
Mean	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	-	-	-	-	-	-	-	-	-	-	-	-
Minimum	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	0
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	366

Comments : No data available for any Jubba station for this year

River Jubba at Jamamme 1969

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	m	m	m	m	m	m	m	193.2e	90.2e
2	m	m	m	m	m	m	m	m	m	m	196.0e	84.9e
3	m	m	m	m	m	m	m	m	m	m	216.7e	81.3e
4	m	m	m	m	m	m	m	m	m	m	307.6e	77.9e
5	m	m	m	m	m	m	m	m	m	m	276.4e	74.5e
6	m	m	m	m	m	m	m	m	m	m	250.9e	71.0e
7	m	m	m	m	m	m	m	m	m	m	242.2e	69.7e
8	m	m	m	m	m	m	m	m	m	m	210.3e	69.5e
9	m	m	m	m	m	m	m	m	m	m	209.9e	66.5e
10	m	m	m	m	m	m	m	m	m	m	212.6e	67.3e
11	m	m	m	m	m	m	m	m	m	164.6e	216.2e	64.6e
12	m	m	m	m	m	m	m	m	m	159.9e	238.3e	62.9e
13	m	m	m	m	m	m	m	m	m	180.9e	249.3e	60.0e
14	m	m	m	m	m	m	m	m	m	286.6e	248.1e	50.7e
15	m	m	m	m	m	m	m	m	m	233.3e	243.5e	47.8e
16	m	m	m	m	m	m	m	m	m	183.6e	243.8e	46.5e
17	m	m	m	m	m	m	m	m	m	179.7e	245.7e	47.0e
18	m	m	m	m	m	m	m	m	m	183.5e	239.6e	46.7e
19	m	m	m	m	m	m	m	m	m	200.9e	228.4e	45.5e
20	m	m	m	m	m	m	m	m	m	219.6e	213.8e	43.8e
21	m	m	m	m	m	m	m	m	m	210.1e	198.0e	41.5e
22	m	m	m	m	m	m	m	m	m	273.9e	186.0e	39.8e
23	m	m	m	m	m	m	m	m	m	319.8e	179.2e	38.7e
24	m	m	m	m	m	m	m	m	m	307.1e	173.9e	36.4e
25	m	m	m	m	m	m	m	m	m	334.0e	166.9e	33.9e
26	m	m	m	m	m	m	m	m	m	261.0e	153.9e	31.9e
27	m	m	m	m	m	m	m	m	m	239.9e	136.3e	31.2e
28	m	m	m	m	m	m	m	m	m	244.6e	124.7e	30.1e
29	m		m	m	m	m	m	m	m	232.6e	116.2e	29.3e
30	m		m	m	m	m	m	m	m	204.0e	101.1e	29.2e
31	m		m		m		m	m		186.5e		29.2e
Mean	-	-	-	-	-	-	-	-	-	-	207.3	52.9
Maximum	-	-	-	-	-	-	-	-	-	-	307.6	90.2
Minimum	-	-	-	-	-	-	-	-	-	-	101.1	29.2
Total	-	-	-	-	-	-	-	-	-	-	537	142

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	0
Estimated values (Flag e)	:	82
Missing values (Flag m)	:	283

Comments : No data available for any Jubba station until October

River Jubba at Jamamme 1970

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	29.1e	5.5e	6.0e	197.1	422.3	233.6e	138.6e	168.8e	316.3	357.4e	471.4e	179.7e
2	28.2e	7.9e	4.7e	163.3	411.7	218.1e	144.8e	169.8e	337.0	403.5e	471.4e	171.8e
3	26.0e	11.6e	3.8e	168.4	408.8	206.2e	159.8e	165.2e	350.4	420.6e	471.4e	166.2e
4	21.3e	16.0e	2.8e	162.0	415.7	194.1e	181.7e	155.9e	369.0	400.4e	471.4e	159.6e
5	19.6e	20.8e	2.0e	151.9	423.6	172.6e	181.1e	151.6e	385.3	379.4e	471.4e	151.8e
6	18.9e	35.1e	1.0e	136.7	413.2	170.7e	171.6e	156.2e	390.7	371.4e	471.4e	143.8e
7	18.2e	54.2e	0.9e	135.5	397.4	154.2e	158.2e	150.3e	391.3	374.7e	471.4e	134.9e
8	17.7e	60:5e	0.9e	140.5	390.2	149.3e	149.7e	141.8e	384.0	393.3e	471.4e	125.3e
9	16.0e	61.5e	0.9e	149.8	364.1	146.6e	143.7e	141.2e	377.7	436.5e	471.4e	114.3e
10	15.3e	58.9e	0.9e	156.2	348.9	158.2e	137.4e	129.4e	375.7	471.4e	471.4e	107.6e
11	14.0e	55.9e	0.9e	159.7	338.4	174.6e	141.5e	123.3e	368.8	471.4e	471.4e	98.7e
12	12.7e	54.5e	0.9e	159.0	337.0	171.3e	136.5e	120.5e	357.0	455.0e	471.4e	91.6e
13	11.6e	51.9e	0.9e	156.1	324.3	162.2e	137.0e	117.4e	343.4	426.0e	471.4e	90.4e
14	10.5e	49.8e	0.9e	152.3	326.3	156.3e	152.4e	126.0e	319.7	417.4e	471.4e	88.1e
15	9.4e	46.8e	0.9e	181.3	338.1	159.1e	156.3e	184.8	316.8	381.0e	471.4e	85.4e
16	8.3e	43.4e	0.9e	232.9	357.5	162.8e	155.9e	204.3	311.1	339.2e	471.4e	81.9e
17	7.1e	38.1e	0.9e	184.2	367.6	167.7e	153.9e	233.9	283.2e	313.3e	471.4e	78.4e
18	6.3e	33.8e	1.2e	150.8	399.0	165.9e	151.7e	243.6	277.0e	339.0e	471.4e	75.2e
19	5.4e	30.5e	1.4e	148.6	421.6	161.5e	168.3e	237.9	265.6e	458.5e	471.4e	72.6e
20	4.9e	27.3e	1.4e	160.0	434.2	158.8e	179.7e	231.1	265.2e	471.4e	445.6e	69.5e
21	4.1e	24.9e	1.7e	140.2	420.2	162.1e	173.6e	225.2	289.5e	471.4e	394.6e	67.2e
22	3.7e	22.2e	2.2e	143.2	409.6	159.4e	160.3e	210.0	313.3e	471.4e	346.6e	65.1e
23	3.3e	19.0e	2.5e	151.3	380.3	161.0e	145.3e	203.1	325.0e	471.4e	313.7e	62.7e
24	2.9e	16.3e	2.8e	142.3	353.8	160.5e	132.7e	208.0	342.1e	471.4	289.1e	60.1e
25	2.4e	13.8e	3.6e	134.7	266.5e	153.5e	121.6e	216.4	382.7e	471.5	265.5e	58.3e
26	1.8e	11.3e	6.2e	134.0	309.1e	140.4e	114.7e	239.1	401.6e	471.8	245.8e	54.9e
27	0.4e	9.2e	6.9e	169.6	330.7e	128.8e	108.1e	268.3	370.3e	471.4	229.2e	52.7e
28	0.0e	7.5e	72.0e	310.6	294.0e	119.9e	111.9e	274.8	357.2e	471.3	215.6e	50.8e
29	0.0e		118.3e	412.6	275.7e	115.1e	126.3e	280.9	347.5e	469.8	202.0e	48.8e
30	0.0e		183.6e	430.3	264.1e	126.9e	134.6e	290.9	338.3e	470.3	190.9e	47.0e
31	4.3e		212.1e		248.8e		157.6e	309.0		470.8		45.3e
Mean	10.4	31.7	20.8	180.5	361.0	162.4	147.9	196.1	341.7	427.9	403.2	93.5
Maximum	29.1	61.5	212.1	430.3	434.2	233.6	181.7	309.0	401.6	471.8	471.4	179.7
Minimum	0.0	5.5	0.9	134.0	248.8	115.1	108.1	117.4	265.2	313.3	190.9	45.3
Total	28	77	56	468	967	421	396	525	886	1146	1045	251

(Total flows in million cubic metres per month)

Annual statistics

Mean : 198.7 (cubic metres per second)
Maximum : 471.8 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 6265 (million cubic metres)

Data availability

Original values : 95
Estimated values (Flag e) : 270
Missing values (Flag m) : 0

Comments : Observations resumed in April but for several months data apparently erroneous

River Jubba at Jamamme 1971

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	44.3e	14.2e	4.7e	0.0e	91.7e	248.0e	99.7e	200.5e	194.8e	183.4e	438.4e	347.2e
2	43.0e	13.7e	4.4e	0.0e	98.6e	243.7e	108.0e	193.9e	202.9e	177.2e	477.0e	323.9e
3	40.7e	13.1e	4.2e	0.0e	142.4e	220.6e	113.9e	189.6e	211.4e	177.3e	477.0e	302.8e
4	39.2e	12.9e	3.9e	0.0e	194.4e	204.1e	130.4e	176.9e	215.1e	170.9e	477.0e	295.1e
5	39.0e	12.9e	3.6e	0.0e	129.6e	188.4e	143.1e	174.9e	208.7e	167.8e	477.0e	288.2e
6	37.9e	13.1e	3.4e	0.0e	95.0e	188.5e	142.4e	164.1e	207.3e	172.0e	477.0e	265.8e
7	36.2e	13.4e	3.1e	0.0e	78.1e	182.1e	135.1e	160.9e	200.5e	188.7e	477.0e	246.7e
8	34.3e	13.4e	2.9e	0.0e	61.6e	171.9e	132.6e	151.7e	193.5e	206.8e	477.0e	228.4e
9	32.8e	13.1e	2.6e	0.0e	60.2e	160.2e	139.7e	146.7e	219.0e	229.0e	477.0e	208.3e
10	31.5e	12.5e	2.4e	0.0e	60.1e	144.6e	158.3e	148.9e	247.6e	249.3e	477.0e	197.2e
11	30.0e	12.0e	2.2e	0.8e	62.1e	146.0e	174.6e	143.5e	269.0e	271.4e	477.0e	184.8e
12	29.1e	11.5e	2.0e	1.6e	62.5e	142.4e	178.6e	145.5e	275.2e	295.0e	477.0e	183.6e
13	28.3e	11.0e	1.8e	2.9e	65.4e	138.3e	181.3e	146.1e	255.0e	343.0e	477.0e	179.6e
14	27.3e	10.5e	1.6e	4.8e	69.7e	143.5e	183.7e	149.1e	231.6e	382.5e	477.0e	177.4e
15	26.5e	10.0e	1.4e	6.6e	84.9e	150.0e	176.1e	152.1e	219.2e	420.3e	475.1e	172.2e
16	25.2e	9.6e	1.2e	11.7e	238.2e	149.9e	166.1e	147.4e	217.3e	452.8e	426.9e	167.9e
17	24.2e	9.1e	1.0e	18.1e	210.1e	146.4e	159.2e	143.9e	243.7e	477.0e	388.2e	160.9e
18	23.5e	8.7e	0.8e	31.6e	198.9e	144.3e	162.9e	141.5e	230.0e	477.0e	364.0e	150.0e
19	22.8e	8.3e	0.7e	47.2e	267.2e	141.4e	175.3e	155.6e	209.0e	477.0e	342.5e	144.8e
20	22.5e	7.9e	0.5e	52.9e	297.4e	146.1e	201.3e	186.1e	199.1e	477.0e	316.0e	139.6e
21	22.5e	7.5e	0.3e	57.3e	255.4e	145.9e	217.7e	190.1e	196.1e	477.0e	305.2e	134.1e
22	22.5e	7.1e	0.2e	59.1e	231.6e	146.0e	236.6e	182.1e	191.1e	477.0e	309.9e	127.0e
23	22.4e	6.7e	0.0e	57.3e	213.1e	156.0e	248.3e	174.1e	192.8e	477.0e	331.0e	122.7e
24	22.0e	6.4e	0.0e	52.0e	208.1e	167.7e	256.8e	174.5e	210.2e	477.0e	359.2e	117.9e
25	20.7e	6.0e	0.0e	49.6e	219.4e	158.1e	260.5e	182.9e	221.1e	477.0e	392.3e	111.5e
26	19.3e	5.7e	0.0e	62.0e	227.0e	142.2e	264.2e	178.5e	227.3e	477.0e	423.7e	106.6e
27	18.0e	5.4e	0.0e	69.9e	201.1e	126.0e	261.5e	178.2e	232.7e	477.0e	429.1e	101.8e
28	16.7e	5.0e	0.0e	75.9e	177.6e	113.4e	245.7e	179.1e	222.7e	477.0e	421.4e	98.7e
29	16.1e		0.0e	73.1e	166.6e	104.4e	231.3e	177.2e	213.4e	477.0e	407.4e	96.2e
30	15.5e		0.0e	82.9e	171.4e	100.7e	212.7e	178.9e	197.2e	477.0e	382.0e	93.6e
31	14.7e		0.0e		215.8e		197.8e	182.1e		445.2e		93.2e
Mean	27.4	10.0	1.6	27.2	156.6	158.7	183.7	167.6	218.5	361.6	423.8	179.6
Maximum	44.3	14.2	4.7	82.9	297.4	248.0	264.2	200.5	275.2	477.0	477.0	347.2
Minimum	14.7	5.0	0.0	0.0	60.1	100.7	99.7	141.5	191.1	167.8	305.2	93.2
Total	73	24	4	71	419	411	492	449	566	969	1098	481

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	160.4	(cubic metres per second)
Maximum	:	477.0	(cubic metres per second)
Minimum	:	0.0	(cubic metres per second)
Total	:	5059	(million cubic metres)

Data availability

Original values	:	0
Estimated values (Flag e)	:	365
Missing values (Flag m)	:	0

Comments : No original data available; all values estimated

River Jubba at Jamamme 1972

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	93.3	38.9	59.3	20.1	194.7	250.4	138.5	179.5	332.4e	195.0	281.7	356.1
2	88.9	38.9	60.6	18.4	200.9	375.2	137.8	182.8	333.6e	187.7	281.6	376.6
3	85.7	36.9	59.5	17.0	227.0	432.9	138.8	189.3	314.7e	182.1	333.2	390.7
4	81.7	37.5	55.7	16.8	240.0	446.8	137.8	192.5	299.1e	177.2	412.2	384.8
5	79.5	36.5	52.0	16.5	319.2	424.6	139.2	196.9	296.0e	182.5	456.6	365.8
6	77.1	35.2	49.8	17.3	393.8	395.4	158.2	203.0	296.9e	198.6	468.6	339.5
7	76.5	34.4	47.3	20.1	374.5	372.4	175.0	209.3	294.9e	212.9	464.2	313.6
8	73.4	32.7	46.2	30.8	353.4	358.0	182.0	212.6	283.5e	225.9	448.4	292.4
9	70.2	32.7	43.2	41.3	403.2	350.8	180.3	210.7	265.2e	235.6	393.6	270.0
10	68.5	31.8	40.3	43.8	444.7	344.1	175.4	213.7	253.4e	242.3	371.4	250.2
11	67.7	30.1	37.2	44.6	455.0	337.8	174.7	206.5	255.4e	262.6	409.8	231.6
12	68.5	29.8	33.8	43.0	426.5	342.0	175.6	202.4	263.7e	309.5	430.6	216.4
13	69.9	28.1	30.3	40.2	431.0	355.0	180.9	200.3	265.2e	428.4	432.1	202.6
14	72.9	27.1	28.7	36.3	422.7	352.0	192.1	199.6	258.4e	451.6	437.4	191.1
15	70.2	27.1	26.8	33.2	389.3	328.9	205.7	204.9	256.3e	445.1	456.2	181.0
16	67.2	26.8	25.5	31.0	364.6	300.4	247.1	210.4	263.2e	421.6	467.8	170.5
17	64.3	26.3	24.6	29.6	349.7	285.2	329.5	212.1	268.9e	403.9	472.9	161.7
18	61.9	26.9	23.8	27.7	333.0	274.5	365.6	216.3	267.0e	394.8	475.6	148.4
19	60.0	25.3	23.7	25.9	307.6	259.8	347.8	234.4	261.9e	388.2	466.6	148.1
20	58.3	24.5	23.2	24.6	277.6	241.5	325.2	255.6	258.1e	378.7	450.1	143.5
21	56.8	23.4	24.5	23.7	255.6	223.9	302.4	291.6	254.8e	361.8	427.7	135.5
22	55.3	23.4	26.1	22.1	234.7	207.4	284.2	310.5	250.4e	354.9	427.8	129.5
23	53.5	22.0	28.4	20.4	216.2	193.6	266.5	301.0	245.3e	349.7	438.2	124.7
24	51.9	21.4	30.4	20.0	197.1	181.1	251.2	288.7	238.0e	334.9	445.5	118.9
25	50.0	20.4	30.7	32.8	187.4	170.2	238.2	272.5	230.7e	318.0	440.1	112.0
26	50.0	21.3	29.3	53.2	187.2	162.8	227.1	257.7	226.3e	301.1	423.4	108.0
27	49.2	23.2	27.5	105.2	206.2	157.0	215.1	248.5	220.4e	283.5	402.6	104.5
28	48.4	32.7	25.3	156.1	323.5	152.1	205.6	237.3	213.4e	269.0	384.5	102.8
29	45.0	51.1	23.0	190.5	389.5	145.3	203.7	247.5	209.3e	264.7	372.1	99.5
30	43.4		21.1	197.5	355.0	140.9	201.8	273.0	206.1e	267.7	357.5	95.0
31	40.9		21.2		278.0		187.0	300.4		284.6		91.8
Mean	64.5	29.9	34.8	46.7	314.2	285.4	215.8	231.0	262.7	300.5	417.7	205.1
Maximum	93.3	51.1	60.6	197.5	455.0	446.8	365.6	310.5	333.6	451.6	475.6	390.7
Minimum	40.9	20.4	21.1	16.5	187.2	140.9	137.8	179.5	206.1	177.2	281.6	91.8
Total	173	75	93	121	841	740	578	619	681	805	1083	549

(Total flows in million cubic metres per month)

Annual statistics

Mean : 201.0 (cubic metres per second)
Maximum : 475.6 (cubic metres per second)
Minimum : 16.5 (cubic metres per second)
Total : 6357 (million cubic metres)

Data availability

Original values : 336
Estimated values (Flag e) : 30
Missing values (Flag m) : 0

Comments : Reliable observations resumed, but September data sheet missing

River Jubba at Jamamme 1973

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	88.2	35.3	17.6	5.5	20.1	54.3	91.8	206.1	341.1	298.4	471.8	155.1
2	84.2	36.7	17.7	5.1	19.3	74.0	93.9	233.4	357.1	308.0	459.7	150.1
3	82.0	36.8	17.3	4.4	17.5	82.2	94.3	236.0	377.4	318.5	440.0	144.1
4	80.2	36.4	14.6	3.7	21.9	93.3	92.0	222.5	394.8	318.9	409.0	138.9
5	79.4	32.3	12.2	3.8	21.5	104.5	90.1	226.7	399.0	332.6	389.4	134.4
6	76.7	30.8	11.6	3.6	17.2	116.8	88.5	255.8	403.4	330.6	395.1	131.6
7	75.5	29.3	11.3	3.5	13.6	129.8	89.5	269.8	393.8	327.3	398.6	127.3
8	73.5	28.9	10.9	3.5	15.7	135.9	91.5	251.1	383.2	328.3	398.8	120.4
9	71.9	28.5	10.7	3.2	24.2	135.8	95.0	229.6	356.9	325.0	392.2	117.3
10	71.3	28.7	11.0	2.9	37.7	125.2	99.2	210.7	335.3	317.5	383.7	106.7
11	69.4	27.5	10.1	2.6	76.5	117.0	105.2	188.3	321.6	310.8	370.0	102.1
12	65.6	25.9	9.2	2.5	101.5	112.5	107.6	182.6	316.8	306.9	350.0	96.3
13	62.8	26.0	9.4	2.2	120.7	105.1	105.0	205.1	323.8	304.0	335.9	91.2
14	60.9	25.7	8.3	2.4	114.7	97.5	98.8	218.7	355.0	304.3	323.3	87.5
15	61.0	24.9	8.8	2.0	97.1	90.6	94.3	212.4	374.4	314.3	309.5	83.1
16	58.6	24.4	9.2	3.5	74.3	82.8	90.6	204.5	386.6	326.7	287.7	79.5
17	56.7	24.4	9.1	4.5	52.6	78.1	87.3	200.4	385.0	345.9	264.8	75.6
18	53.9	23.6	8.4	4.6	42.8	73.1	87.9	206.4	367.0	353.0	241.6	73.7
19	51.6	21.8	7.7	4.7	35.8	76.2	89.5	215.3	354.1	367.4	225.9	70.1
20	50.3	21.4	7.0	4.2	31.3	75.1	88.9	217.4	341.7	389.7	218.2	67.0
21	48.7	21.0	7.0	3.8	31.2	76.4	88.3	216.7	333.1	425.7	211.9	62.9
22	47.4	20.2	7.2	3.6	28.3	76.4	88.6	214.7	329.7	450.0	208.9	60.9
23	45.7	20.4	7.9	3.9	25.7	73.8	91.8	214.5	320.0	470.3	206.3	58.4
24	44.2	19.7	7.5	4.3	23.4	67.2	96.4	227.5	301.0	478.7	204.1	56.5
25	43.7	17.8	7.7	5.1	21.3	62.8	96.0	273.4	282.7	479.1	200.2	53.9
26	44.3	17.8	7.6	5.9	21.3	61.8	94.4	379.9	271.8	479.1	196.3	48.8
27	42.8	17.7	6.9	5.6	19.2	62.6	95.8	416.9	263.3	479.1	190.5	43.3
28	42.0	18.2	6.7	5.7	18.8	64.0	96.8	411.8	257.4	479.2	184.5	40.3
29	39.5		6.9	7.8	25.8	65.7	101.4	386.7	269.8	480.2	177.6	38.0
30	39.0		7.2	18.5	29.1	78.3	124.2	357.7	286.5	480.1	166.6	36.1
31	36.7		6.3		33.8		166.5	338.7		475.5		33.7
Mean	59.6	25.8	9.7	4.5	39.8	88.3	97.4	252.6	339.5	377.6	300.4	86.6
Maximum	88.2	36.8	17.7	18.5	120.7	135.9	166.5	416.9	403.4	480.2	471.8	155.1
Minimum	36.7	17.7	6.3	2.0	13.6	54.3	87.3	182.6	257.4	298.4	166.6	33.7
Total	160	62	26	12	107	229	261	677	880	1011	779	232

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	140.6	(cubic metres per second)
Maximum	:	480.2	(cubic metres per second)
Minimum	:	2.0	(cubic metres per second)
Total	:	4435	(million cubic metres)

Data availability

Original values	:	365
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	0

Comments :

River Jubba at Jamamme 1974

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	34.2	23.4	6.6	2.6	85.7	142.2	97.0	220.1	150.8	246.1	117.3	92.8
2	36.0	23.7	7.0	5.6	84.0	135.5	91.1	202.6	146.3	243.3	119.1	88.5
3	36.4	23.9	6.9	6.1	82.0	132.8	88.0	183.5	139.1	240.9	121.4	83.1
4	36.8	23.2	6.5	5.7	78.6	130.7	86.3	166.1	134.3	236.8	127.6	79.3
5	36.4	21.8	6.3	5.5	71.5	123.4	82.7	146.7	133.9	257.9	134.2	75.7
6	36.3	21.2	5.7	5.4	67.3	112.0	79.6	147.2	144.7	270.3	141.0	72.2
7	35.3	21.1	5.9	9.5	63.6	106.0	77.6	146.2	152.0	273.9	143.6	69.5
8	33.6	20.8	6.4	20.4	59.3	104.6	75.6	144.0	163.8	276.0	151.6	65.9
9	32.2	20.1	6.4	31.4	53.8	161.3	73.3	146.4	181.4	271.6	168.8	63.5
10	30.6	19.1	5.3	104.2	48.4	252.0	72.9	148.0	201.1	258.6	178.0	61.1
11	30.6	18.4	4.9	193.0	45.6	270.4	72.6	153.1	246.4	246.8	200.7	60.3
12	30.1	17.8	4.1	197.0	49.3	277.7	82.6	164.5	295.9	244.2	222.6	59.2
13	29.1	16.7	3.6	183.7	46.0	284.7	98.4	169.1	328.0	241.3	236.1	56.4
14	28.6	15.1	3.4	173.5	42.4	280.2	105.2	168.1	340.0	236.8	238.8	53.9
15	28.1	14.8	3.7	161.6	42.6	288.4	104.9	160.8	378.9	222.8	240.6	51.6
16	27.5	15.4	4.0	152.3	41.4	276.4	99.6	151.4	412.9	212.9	240.2	49.0
17	26.9	14.8	3.6	145.7	54.2	258.1	95.8	143.1	413.7	208.1	234.4	46.1
18	25.9	13.8	2.7	151.7	84.2	238.9	93.0	144.5	402.4	204.6	227.4	42.9
19	25.1	12.9	2.4	154.9	111.1	220.0	93.0	148.2	383.6	201.6	213.0	40.3
20	24.5	12.1	2.2	149.2	116.7	201.3	94.0	149.1	366.0	198.0	202.8	37.1
21	24.9	11.3	2.5	137.2	159.1	184.9	126.8	167.3	352.2	193.2	193.6	34.5
22	25.6	10.8	3.7	129.4	199.3	170.4	153.8	194.2	340.5	184.6	181.3	33.8
23	26.3	10.6	5.3	118.0	161.7	150.9	210.4	238.4	310.1	178.1	170.6	34.3
24	26.9	9.6	5.1	110.3	146.2	150.7	324.3	275.5	299.8	174.8	158.3	37.9
25	26.3	8.9	4.5	105.8	144.7	144.4	346.1	260.4	294.5	170.6	140.4	45.6
26	28.5	8.0	3.6	100.2	183.1	140.1	322.1	235.9	286.2	164.7	128.4	49.9
27	27.5	7.3	3.3	95.0	196.3	132.7	299.7	217.0	274.9	148.9	117.8	44.8
28	26.5	6.7	2.7	90.3	183.1	123.8	283.0	199.6	267.4	140.0	105.7	40.5
29	25.6		2.7	87.0	164.7	114.7	269.3	183.4	261.4	132.2	100.1	35.8
30	25.1		2.6	85.7	145.3	105.9	248.2	164.2	253.3	127.0	96.8	32.4
31	24.1		2.5		149.2		235.5	147.8		117.6		29.4
Mean	29.4	15.8	4.4	97.3	101.9	180.5	147.8	177.0	268.5	210.5	168.4	53.8
Maximum	36.8	23.9	7.0	197.0	199.3	288.4	346.1	275.5	413.7	276.0	240.6	92.8
Minimum	24.1	6.7	2.2	2.6	41.4	104.6	72.6	143.1	133.9	117.6	96.8	29.4
Total	79	38	12	252	273	468	396	474	696	564	437	144

(Total flows in million cubic metres per month)

Annual statistics

Mean : 121.5 (cubic metres per second)
Maximum : 413.7 (cubic metres per second)
Minimum : 2.2 (cubic metres per second)
Total : 3832 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments :

River Jubba at Jamamme 1975

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	30.3	7.8	0.9	0.0e	75.5	112.9	75.3	192.0	351.1	242.0	377.8	167.5
2	29.6	7.2	0.9	0.0e	72.3	112.6	74.8	202.6	341.5	235.4	362.5	160.1
3	28.5	7.1	0.8	0.0e	71.2	107.6	79.4	202.7	342.0	233.6	355.7	148.6
4	27.1	7.6	0.7	0.0e	68.6	108.0	96.1	202.7	339.6	233.3	374.7	140.8
5	25.7	7.0	0.6	0.0e	81.6	108.9	122.0	204.8	330.6	237.3	404.6	140.6
6	24.8	6.6	0.5	0.0e	95.0	108.7	139.1	218.1	319.7	237.6	399.1	134.8
7	24.7	7.1	0.4	0.0e	90.7	168.8	152.0	238.7	324.7	229.3	371.6	115.3
8	24.3	6.5	0.3	0.0e	94.9	234.3	151.6	253.0	330.5	224.5	348.7	108.7
9	23.6	6.5	0.3	0.0e	118.2	228.6	160.2	256.3	323.8	235.0	328.8	104.3
10	23.2	9.8	0.0e	0.0e	115.8	202.0	179.3	262.8	305.9	235.7	301.9	100.0
11	22.3	13.3	0.0e	0.0e	111.8	185.4	175.8	287.8e	303.5e	225.6	279.9	95.7
12	21.2	12.5	0.0e	0.0e	128.2	182.4	176.2	313.7e	288.3e	222.4	257.8	91.8
13	20.3	9.3	0.0e	0.0e	160.3	189.9	192.4	333.8e	302.0e	216.5	236.7	88.7
14	19.5	7.8	0.0e	0.0e	137.3	186.0	191.8	347.6e	318.5	211.2	224.5e	85.2
15	19.9	6.8	0.0e	0.0e	105.2	170.2	187.7	371.6e	350.9	226.5	220.1e	81.3
16	19.0	5.7	0.0e	0.0e	86.2	148.6	182.4	401.8e	372.5	277.9	247.9	76.2
17	17.6	5.6	0.0e	0.0e	77.3	143.3	175.8	405.3	379.0	349.5	243.9	72.5
18	17.1	5.3	0.0e	0.0e	78.8	131.7	171.1	407.8	375.3	439.9	231.6	67.4
19	15.8	5.4	0.0e	0.0e	177.6	119.7	168.0	401.7	364.6	438.1	219.0	63.1
20	14.3	4.9	0.0e	0.0e	373.2	111.4	167.4	388.6	358.2	418.0	216.5	58.7
21	13.0	3.7	0.0e	0.4	348.6	103.9	165.5	373.4	341.4	390.5	222.6	56.1
22	10.8	3.6	0.0e	0.9	249.4	99.2	162.9	359.3	328.7	385.7	225.3	51.6
23	10.1	3.2	0.0e	3.3	163.1	96.5	161.1	348.3	319.7	379.1	224.5	48.3
24	9.2	2.5	0.0e	8.3	104.1	94.2	161.1	348.9	315.8	383.7	219.4	46.8
25	9.3	2.0	0.0e	22.1	77.9	90.5	161.3	366.5	315.2	390.3	207.6	46.4
26	8.6	1.6	0.0e	39.4	72.0	86.9	161.2	380.6	311.5	398.9	195.9	45.2
27	8.1	1.2	0.0e	61.3	62.2	83.5	156.1	383.0	301.0	396.9	191.2	42.0
28	7.5	0.9	0.0e	81.2	64.1	79.7	154.7	398.2	276.6	388.6	181.6	39.4
29	7.8		0.0e	81.3	92.4	76.8	155.3	406.9	258.9	382.1	174.0	37.2
30	8.6		0.0e	79.9	108.7	75.9	155.1	393.9	247.3	376.4	171.9	35.7
31	8.5		0.0e		116.0		169.1	374.2		375.5		35.1
Mean	17.8	6.0	0.2	12.6	121.9	131.6	154.3	323.4	324.6	310.2	267.3	83.4
Maximum	30.3	13.3	0.9	81.3	373.2	234.3	192.4	407.8	379.0	439.9	404.6	167.5
Minimum	7.5	0.9	0.0	0.0	62.2	75.9	74.8	192.0	247.3	211.2	171.9	35.1
Total	48	15	0	33	326	341	413	866	841	831	693	223

(Total flows in million cubic metres per month)

Annual statistics

Mean : 146.8 (cubic metres per second)
Maximum : 439.9 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 4631 (million cubic metres)

Comments : An unusually sharp Gu flood peak

Data availability

Original values : 312
Estimated values (Flag e) : 53
Missing values (Flag m) : 0

River Jubba at Jamamme 1976

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	34.1	13.8e	0.0e	0.0e	111.2e	474.4	201.9	256.9	199.6	203.7	206.9	239.5e
2	33.4	12.6e	0.0e	0.0e	86.8e	474.3	200.0	252.0	198.5	200.1	209.9	213.3e
3	32.9	12.2e	0.0e	0.0e	72.6e	473.2	197.7	246.8	198.4	196.0	213.2	190.9e
4	32.7	11.4e	0.0e	0.0e	55.3e	472.1	197.4	242.3	201.2	190.4	214.2	167.7e
5	29.4	10.6e	0.0e	0.0e	40.1e	471.9	196.9	237.6	197.0	187.1	268.6e	150.1e
6	29.3	10.0e	0.0e	0.0e	35.1e	470.9	196.6	232.4	195.1	183.9	318.6e	140.7e
7	32.8	9.7e	0.0e	0.0e	37.8e	469.8	198.9	224.7	194.3	180.7	399.0e	135.3e
8	32.3e	9.2e	0.0e	0.0e	44.0e	469.4	211.2	212.5	192.8	177.6	463.8e	129.5e
9	31.7e	8.9e	0.0e	0.0e	46.2e	462.1	214.7	203.7	187.7	174.6	477.0e	121.6e
10	30.0e	8.5e	0.0e	0.0e	48.4e	447.4	213.5	203.1	186.9	173.6	477.0e	115.9e
11	27.5e	8.1e	0.0e	0.0e	58.6e	444.1	213.0	201.6	184.0	173.3	453.4e	113.6e
12	25.8	7.8e	0.0e	0.0e	72.9e	443.1	212.8	201.1	180.9	171.6	416.4e	114.9e
13	25.6	7.7e	0.0e	0.0e	76.5e	406.8	212.3	204.6	182.0	174.7	407.1e	116.3e
14	24.8	7.7e	0.0e	0.0e	81.2e	321.4	209.0	211.5	192.3	178.6	414.0e	114.9e
15	24.7	7.4e	0.0e	0.0e	116.5e	284.4	206.9	244.7	213.4	176.3	421.4e	112.8e
16	24.3	7.0e	0.0e	0.0e	216.8e	263.9	202.8	243.0	226.9	175.0	424.0e	112.0e
17	23.5	6.9e	0.0e	0.0e	438.9	245.7	199.5	221.3	226.4	171.3	409.6e	110.0e
18	21.3	6.7e	0.0e	0.0e	446.4	239.1	198.0	215.1	239.6	170.5	386.3e	105.2e
19	20.8	6.3e	0.0e	0.0e	452.2	229.2	196.8	211.8	237.6	174.2	363.6e	97.7e
20	20.8	6.2e	0.0e	0.0e	456.2	216.8	196.1	209.1	234.4	178.7	352.9e	88.7e
21	20.7	6.0e	0.0e	0.0e	455.7	204.0	193.5	206.9	238.2	183.7	372.6e	82.5e
22	20.5	5.6e	0.0e	0.0e	460.2	201.7	191.2	207.5	243.3	191.8	410.7e	77.8e
23	20.4	5.6e	0.0e	0.0e	461.5	203.6	193.3	206.4	265.7	224.9	419.2e	74.0e
24	20.1	5.3e	0.0e	3.3e	466.4	205.3	200.5	203.4	263.3	215.8	401.6e	70.5e
25	19.9	3.1e	0.0e	6.9e	467.0	206.5	207.3	200.1	258.6	203.3	371.2e	67.1e
26	19.8	0.3e	0.0e	11.0e	466.6	207.1	262.1	196.8	253.9	203.0	342.2e	64.7e
27	19.5	0.0e	0.0e	35.4e	470.0	202.8	268.5	194.3	246.5	205.5	321.3e	62.6e
28	18.2e	0.0e	0.0e	71.5e	475.0	201.2	268.0	193.5	229.0	205.1	299.4e	61.2e
29	17.6e	0.0e	0.0e	92.5e	474.0	199.6	271.5	193.6	219.7	206.5	275.2e	61.0e
30	16.6e		0.0e	115.3e	476.5	199.0	268.7	196.1	212.7	205.2	258.9e	60.3e
31	15.4e		0.0e		475.3		264.0	196.1		207.7		57.9e
Mean	24.7	7.1	0.0	11.2	262.6	327.0	215.0	215.2	216.7	189.2	359.0	110.7
Maximum	34.1	13.8	0.0	115.3	476.5	474.4	271.5	256.9	265.7	224.9	477.0	239.5
Minimum	15.4	0.0	0.0	0.0	35.1	199.0	191.2	193.5	180.9	170.5	206.9	57.9
Total	66	18	0	29	703	848	576	576	562	507	930	296

(Total flows in million cubic metres per month)

Annual statistics

Mean : 161.6 (cubic metres per second)
Maximum : 477.0 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 5111 (million cubic metres)

Data availability

Original values : 195
Estimated values (Flag e) : 171
Missing values (Flag m) : 0

Comments : November and December original readings apparently erroneous

River Jubba at Jamamme 1977

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	46.4e	34.3e	44.2e	20.8e	153.4e	178.2e	228.5e	210.7e	352.3e	458.5e	453.7e	523.2
2	38.1e	38.8e	44.5e	20.3e	141.6e	244.9e	250.3e	215.5e	344.0e	452.6e	451.8e	524.0
3	36.4e	44.1e	45.6e	20.2e	131.0e	298.1e	262.3e	220.5e	329.7e	431.1e	453.5e	523.6
4	34.0e	47.9e	46.6e	19.7e	131.0e	319.7e	250.9e	226.2e	307.4e	404.6e	461.7e	515.6
5	32.4e	48.6e	47.2e	19.6e	154.6e	311.1e	244.0e	230.1e	288.8e	379.8e	460.4e	501.8
6	31.6e	46.9e	47.5e	19.9e	171.4e	310.4e	240.3e	226.2e	274.4e	353.2e	460.5e	493.7
7	31.9e	43.3e	46.5e	20.4e	229.5e	328.3e	236.7e	220.7e	256.5e	327.3e	460.2e	485.5
8	33.6e	39.1e	45.1e	21.2e	323.1e	373.9e	231.5e	217.1e	238.0e	303.6e	460.7	484.1
9	36.0e	36.2e	45.1e	30.9e	321.3e	422.9e	225.8e	211.5e	225.5e	283.3e	473.2	488.7
10	37.8e	35.5e	42.4e	62.4e	293.0e	454.3e	217.4e	205.2e	226.7e	269.3e	475.0	492.3
11	38.1e	37.2e	38.8e	135.8e	305.8e	455.6e	209.3e	200.6e	241.4e	265.2e	486.8	497.9
12	37.3e	37.5e	35.7e	232.2e	384.0e	436.1e	204.2e	200.1e	305.2e	274.9e	496.0	501.9
13	35.7e	36.3e	33.5e	264.1e	504.7e	423.0e	195.6e	208.7e	328.0e	274.5e	492.7	504.3
14	33.9e	42.0e	31.1e	359.3e	553.4e	422.4e	186.8e	207.8e	332.7e	272.9e	492.8	508.6
15	32.3e	51.4e	29.6e	472.3e	526.5e	414.9e	182.9e	205.3e	299.7e	284.0e	498.9	507.0
16	30.8e	54.7e	28.9e	527.2e	503.5e	391.8e	181.6e	205.3e	283.1e	363.6e	504.6	504.3
17	30.0e	54.2e	27.3e	525.0e	465.5e	367.9e	180.5e	210.7e	268.9e	457.1e	516.9	495.6
18	31.0e	52.4e	25.4e	544.3e	409.2e	354.5e	181.7e	230.1e	259.5e	474.7e	521.6	486.3
19	33.9e	52.1e	23.9e	547.5e	377.4e	348.5e	193.1e	227.3e	267.3e	493.7e	523.8	480.6
20	38.1e	56.0e	23.1e	504.7e	361.5e	340.4e	193.0e	220.3e	321.8e	504.2e	527.6	473.6
21	41.7e	62.3e	22.7e	468.2e	330.8e	330.8e	207.6e	213.8e	353.4e	503.8e	529.9	468.7
22	42.7e	60.8e	23.3e	447.5e	285.8e	319.4e	220.4e	214.1e	386.3e	490.1e	529.2	452.2
23	40.6e	55.5e	24.4e	389.4e	253.4e	307.0e	211.7e	213.8e	383.5e	490.3e	531.2	413.1
24	37.8e	53.1e	25.7e	313.4e	231.7e	290.9e	211.5e	214.4e	365.3e	489.3e	528.1	393.3
25	36.4e	51.3e	26.9e	256.7e	214.3e	275.7e	213.4e	260.1e	358.7e	489.9e	528.8	382.9
26	35.4e	48.3e	28.2e	225.4e	194.4e	262.3e	220.5e	305.7e	363.8e	483.2e	526.6	343.6
27	33.8e	46.0e	29.4e	208.3e	167.4e	250.2e	227.8e	312.6e	366.5e	470.9e	524.1	291.2
28	32.0e	44.6e	29.4e	193.5e	136.9e	237.3e	225.8e	299.6e	374.0e	464.6e	524.1	277.4
29	31.2e		27.2e	179.7e	125.0e	225.1e	219.3e	308.5e	395.9e	461.0e	526.5	257.8
30	31.0e		24.4e	167.9e	127.8e	220.0e	211.9e	343.3e	438.9e	459.4e	526.2	244.3
31	31.8e		21.9e		144.7e		207.2e	357.6e		456.2e		242.8
Mean	35.3	46.8	33.4	240.6	279.1	330.5	215.3	236.9	317.9	406.0	498.2	443.9
Maximum	46.4	62.3	47.5	547.5	553.4	455.6	262.3	357.6	438.9	504.2	531.2	524.0
Minimum	30.0	34.3	21.9	19.6	125.0	178.2	180.5	200.1	225.5	265.2	451.8	242.8
Total	94	113	89	624	748	857	577	634	824	1087	1291	1189

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	257.7	(cubic metres per second)
Maximum	:	553.4	(cubic metres per second)
Minimum	:	19.6	(cubic metres per second)
Total	:	8128	(million cubic metres)

Data availability

Original values	:	54
Estimated values (Flag e)	:	311
Missing values (Flag m)	:	0

Comments : Data sheets available for April, May and October, but values very dubious

River Jubba at Jamamme 1978

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	222.8	63.8e	33.4e	164.0e	125.0e	256.9e	92.4e	388.5e	348.0e	228.5e	477.0e	227.8e
2	218.7	63.0e	33.7e	153.0e	128.6e	238.3e	94.1e	371.1e	327.3e	217.8e	477.0e	200.9e
3	216.7	63.1e	33.8e	143.2e	130.8e	224.0e	99.2e	360.9e	312.7e	203.3e	477.0e	203.7e
4	213.4	61.3e	34.1e	139.1e	156.0e	209.6e	116.7e	353.4e	295.3e	187.4e	477.0e	248.0e
5	208.6	59.1e	34.8e	141.6e	171.6e	200.1e	129.5e	350.8e	290.5e	188.7e	477.0e	290.9e
6	205.7	57.5e	34.8e	163.3e	163.8e	191.7e	136.7e	363.8e	283.2e	186.0e	477.0e	338.3e
7	200.2	56.2e	36.6e	186.6e	153.8e	186.9e	142.4e	372.0e	283.6e	188.6e	477.0e	358.7e
8	197.5	54.8e	39.9e	182.3e	156.2e	182.1e	141.2e	361.1e	278.4e	200.2e	477.0e	365.6e
9	195.2	53.0e	44.1e	170.9e	167.3e	174.7e	132.8e	341.9e	275.6e	211.9e	477.0e	345.8e
10	190.0	52.1e	46.2e	159.7e	172.9e	170.3e	128.9e	323.5e	285.2e	231.2e	477.0e	317.8e
11	156.5	49.3e	77.2e	166.6e	165.2e	167.3e	137.7e	314.5e	298.3e	279.4e	477.0e	299.1e
12	148.2	47.6e	184.9e	211.6e	164.3e	160.0e	183.4e	319.6e	308.2e	361.2e	477.0e	283.4e
13	145.2	45.1e	237.2e	216.0e	173.7e	152.6e	294.5e	336.4e	306.8e	397.7e	477.0e	260.8e
14	142.3	42.9e	257.8e	191.4e	193.2e	143.0e	397.1e	338.6e	310.2e	405.5e	477.0e	245.4e
15	139.5	41.2e	257.0e	182.3e	243.1e	132.0e	416.0e	341.4e	315.5e	403.4e	477.0e	235.9e
16	136.7	39.6e	243.8e	190.5e	306.2e	126.1e	410.7e	349.7e	331.4e	403.2e	477.0e	228.4e
17	133.9	38.1e	224.0e	213.1e	341.8e	122.9e	409.7e	361.9e	350.3e	407.4e	462.7e	210.5e
18	131.1	37.0e	203.2e	208.7e	369.5e	118.4e	409.0e	385.4e	351.5e	427.0e	421.8e	196.0e
19	128.4	36.0e	195.8e	204.6e	380.2e	111.6e	403.5e	431.9e	339.4e	477.0e	392.7e	185.2e
20	126.8	34.9e	226.8e	197.8e	388.5e	103.8e	392.5e	462.3e	318.8e	477.0e	362.7e	180.4e
21	122.5	33.6e	242.0e	183.1e	395.8e	97.8e	374.7e	457.2e	300.2e	477.0e	334.7e	164.7e
22	118.8	33.1e	234.5e	181.1e	386.0e	92.1e	354.1e	436.2e	291.3e	477.0e	298.4e	152.3e
23	113.4	33.5e	207.7e	184.1e	376.9e	89.3e	335.0e	408.5e	280.9e	477.0e	281.2e	143.0e
24	109.2	34.0e	186.0e	181.0e	372.5e	87.1e	337.5e	389.3e	267.5e	477.0e	272.3e	137.5e
25	106.0	34.8e	181.7e	162.0e	369.1e	85.9e	358.2e	371.2e	258.0e	477.0e	263.3e	132.5e
26	102.9	35.0e	176.7e	147.5e	361.4e	87.3e	362.4e	355.0e	259.5e	477.0e	257.1e	129.0e
27	98.6	33.6e	178.8e	135.8e	348.7e	90.6e	384.4e	345.0e	261.9e	477.0e	251.5e	124.1e
28	92.3	33.3e	178.0e	120.8e	331.2e	92.8e	429.3e	348.7e	258.6e	477.0e	254.6e	119.8e
29	78.5		174.2e	114.0e	310.3e	92.8e	436.2e	364.3e	249.0e	477.0e	253.1e	117.3e
30	74.4		171.2e	116.9e	295.0e	91.3e	420.5e	370.2e	239.3e	477.0e	239.7e	117.0e
31	71.7		173.2e		274.4e		402.4e	361.7e		477.0e		117.2e
Mean	146.6	45.2	147.8	170.4	260.4	142.6	285.9	368.9	295.9	365.5	399.3	215.4
Maximum	222.8	63.8	257.8	216.0	395.8	256.9	436.2	462.3	351.5	477.0	477.0	365.6
Minimum	71.7	33.1	33.4	114.0	125.0	85.9	92.4	314.5	239.3	186.0	239.7	117.0
Total	393	109	396	442	698	370	766	988	767	979	1035	577

(Total flows in million cubic metres per month)

Annual statistics

Mean : 238.4 (cubic metres per second)
Maximum : 477.0 (cubic metres per second)
Minimum : 33.1 (cubic metres per second)
Total : 7518 (million cubic metres)

Data availability

Original values : 31
Estimated values (Flag e) : 334
Missing values (Flag m) : 0

Comments : Little original data and only that for January accepted

River Jubba at Jamamme 1979

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	118.5e	56.6e	58.2e	64.9e	150.3e	208.7e	209.0e	109.3e	150.9e	83.2e	197.9e	93.1e
2	115.7e	62.7e	66.4e	67.8e	156.7e	189.4e	195.5e	112.8e	151.9e	82.4e	254.4e	87.1e
3	112.7e	70.1e	74.6e	77.3e	178.3e	173.1e	191.5e	112.5e	145.7e	77.8e	279.1e	81.8e
4	109.5e	75.4e	78.1e	87.2e	186.7e	177.4e	184.8e	114.7e	135.7e	75.2e	296.3e	76.8e
5	107.4e	76.4e	75.7e	93.5e	169.3e	252.9e	171.8e	114.3e	124.9e	77.2e	314.5e	72.6e
6	104.4e	74.1e	70.8e	97.0e	137.0e	316.8e	163.8e	112.6e	115.3e	82.9e	332.4e	69.2e
7	101.5e	68.7e	67.8e	116.9e	126.2e	326.8e	168.3e	111.1e	109.8e	91.3e	324.2e	66.4e
8	96.3e	64.5e	65.6e	231.6e	118.4e	301.3e	175.3e	118.8e	99.5e	99.5e	310.8e	63.8e
9	91.1e	61.3e	62.6e	259.2e	117.3e	286.4e	175.5e	149.7e	92.6e	112.5e	306.0e	61.3e
10	87.9e	59.1e	59.8e	221.0e	108.5e	270.3e	170.2e	180.3e	83.9e	127.1e	297.7e	59.3e
11	85.4e	60.2e	56.9e	132.0e	95.1e	252.1e	165.0e	188.4e	79.0e	147.9e	283.8e	57.6e
12	82.6e	64.2e	54.9e	128.7e	88.3e	232.1e	159.9e	176.9e	75.4e	157.2e	270.5e	57.2e
13	80.4e	72.1e	52.4e	155.0e	82.3e	233.6e	157.2e	166.1e	72.4e	159.8e	264.0e	55.5e
14	78.7e	85.9e	49.5e	157.7e	79.6e	235.2e	167.4e	157.4e	69.1e	160.8e	252.9e	53.1e
15	76.0e	98.5e	46.2e	135.5e	87.4e	239.8e	175.3e	151.4e	66.0e	160.9e	239.3e	50.9e
16	73.1e	103.9e	43.5e	131.3e	154.8e	239.8e	175.8e	142.8e	64.5e	160.9e	225.0e	49.4e
17	70.0e	100.8e	41.7e	135.3e	340.0e	234.6e	171.6e	137.9e	64.4e	160.3e	216.0e	47.1e
18	67.8e	94.6e	40.2e	131.0e	392.8e	231.3e	163.7e	140.7e	68.8e	155.4e	217.6e	43.9e
19	66.3e	87.9e	39.3e	120.7e	306.3e	235.3e	154.3e	145.2e	75.3e	146.4e	223.6e	40.9e
20	64.0e	81.9e	39.3e	124.0e	216.0e	247.9e	147.1e	144.7e	77.0e	134.1e	205.4e	39.5e
21	62.9e	76.8e	37.9e	145.1e	188.5e	269.7e	140.6e	145.6e	75.3e	127.5e	165.6e	37.6e
22	60.6e	71.8e	36.7e	159.2e	189.8e	264.1e	134.9e	143.0e	73.1e	122.0e	155.8e	36.0e
23	58.2e	67.3e	43.1e	147.6e	194.6e	254.7e	129.0e	137.8e	70.0e	121.8e	156.1e	34.9e
24	56.9e	63.8e	51.6e	122.1e	184.4e	242.9e	121.6e	134.9e	68.4e	130.1e	151.4e	33.6e
25	56.3e	60.6e	51.1e	117.0e	189.3e	233.1e	115.1e	143.6e	74.0e	138.3e	141.3e	32.6e
26	56.5e	57.6e	44.8e	126.1e	207.5e	229.3e	108.9e	155.8e	95.5e	144.5e	126.4e	32.1e
27	55.5e	55.7e	39.8e	137.9e	225.9e	231.5e	105.2e	167.1e	100.9e	153.6e	119.2e	32.1e
28	53.8e	55.3e	36.9e	140.8e	239.0e	229.1e	102.1e	171.7e	97.0e	171.1e	111.2e	32.1e
29	52.7e		36.9e	144.3e	235.0e	224.5e	100.9e	166.5e	91.7e	178.4e	104.5e	32.1e
30	53.1e		41.4e	147.9e	221.3e	219.5e	103.3e	157.1e	87.0e	183.7e	99.3e	32.5e
31	53.9e		54.4e		212.7e		105.5e	149.6e		188.4e		33.0e
Mean	77.7	72.4	52.2	135.2	180.0	242.8	151.9	143.9	91.8	132.7	221.4	51.5
Maximum	118.5	103.9	78.1	259.2	392.8	326.8	209.0	188.4	151.9	188.4	332.4	93.1
Minimum	52.7	55.3	36.7	64.9	79.6	173.1	100.9	109.3	64.4	75.2	99.3	32.1
Total	208	175	140	350	482	629	407	385	238	355	574	138

(Total flows in million cubic metres per month)

Annual statistics

Mean : 129.4 (cubic metres per second)
Maximum : 392.8 (cubic metres per second)
Minimum : 32.1 (cubic metres per second)
Total : 4082 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No reliable original data; all values estimated

River Jubba at Jamamme 1980

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	33.4e	12.5e	5.3e	0.1e	7.4	109.8	40.3	111.5	85.0	67.9	124.2	54.3
2	31.3e	11.9e	5.2e	0.1e	6.4	93.4	40.1	104.9	82.7	75.3	110.5	51.4
3	29.4e	11.5e	4.8e	0.1e	6.5	78.3	40.7	96.4	78.3	88.4	113.7	47.6
4	28.7e	11.2e	4.5e	0.1e	5.1	63.4	43.0	85.6	75.0	93.8	136.2	46.6
5	27.8e	10.9e	4.3e	0.1e	7.3	60.4	49.0	79.6	74.2	96.4	183.5	46.7
6	26.4e	10.6e	4.0e	0.1e	17.1	59.2	54.4	75.1	73.8	94.5	185.9	48.5
7	24.9e	10.5e	3.6e	0.1e	22.0	57.1	61.5	66.6	72.1	90.3	186.7	42.2
8	24.3e	10.0e	3.3e	0.1e	19.9	55.2	76.2	66.4	72.0	86.7	179.5	44.6
9	23.5e	9.7e	2.9e	0.1e	17.7	56.5	91.3	67.1	80.4	91.2	163.5	44.7
10	22.6e	9.4e	2.4e	0.1e	17.6	62.7	114.8	68.3	96.4	122.5	148.4	41.3
11	21.5e	9.1e	2.2e	0.1e	22.9	63.2	122.4	68.9e	121.7	168.2	138.5	39.8
12	21.0e	8.8e	1.8e	0.2e	27.8	64.3	125.1	68.3	139.2	199.8	124.5	39.1
13	20.6e	8.5e	1.6e	0.2e	24.6	60.7	120.5	68.2	146.5	204.2	120.8	38.1
14	20.2e	8.2e	1.5e	0.3e	25.1	59.9	110.4	68.9	135.3	199.2	118.0e	35.8
15	19.8e	7.9e	1.5e	0.3e	85.6	63.0	113.2	73.7	121.6	187.6	115.3	35.0
16	19.3e	7.7e	1.2e	1.0e	240.8	64.5	126.7	78.0	112.7	171.9	117.5	32.4
17	18.7e	7.6e	1.0e	1.1e	204.7	66.0	137.5	80.6	104.7	155.0	109.3	29.2
18	18.3e	7.1e	0.8e	1.6e	164.0	66.6	134.3	84.8	101.4	142.5	95.0	27.0
19	18.2e	6.8e	0.8e	2.1e	149.1	66.0	128.6	90.3	95.4	138.0	88.2	25.1
20	18.2e	6.5e	0.6e	2.2e	172.4	64.3	128.5	93.9	90.0	134.9	83.4	21.6
21	17.8e	6.3e	0.5e	1.6e	193.1	60.2	132.0	89.4	84.1	131.4	82.4	20.9
22	17.4e	6.0e	0.3e	1.2e	183.0	55.8	136.0	93.1	77.4	131.1	80.8	19.7
23	16.7e	5.8e	0.1e	1.2e	184.7	52.1	149.5	102.7	76.7	133.3	75.5	17.4
24	16.3e	5.5e	0.0	1.3e	199.1	51.2	163.2	116.9	75.1	131.7	69.6	14.9
25	16.0e	5.3e	0.0e	1.5e	195.5	51.4	173.7	128.8	71.2	132.5	66.2	14.2
26	15.6e	5.3e	0.0e	1.3e	179.5	49.0	165.9	126.9	66.4	135.8	64.1	13.7
27	15.2e	5.5e	0.0e	1.3e	163.3	46.3	152.1	120.5	67.1	137.3	63.9	12.4
28	14.8e	5.7e	0.4e	1.4e	146.4	43.8	138.0	112.0	68.0	135.3	64.6	11.2
29	14.2e	5.7e	0.3e	1.7	135.7	41.7	126.3	100.1	66.6	135.4	63.4	10.9
30	13.8e		0.3e	7.8	134.2	40.4	118.8	92.1	66.4	133.0	59.3	10.6
31	13.2e		0.2e		127.1		115.5	88.1		129.8		10.0
Mean	20.6	8.2	1.8	1.0	99.5	60.9	110.6	89.3	89.2	131.4	111.1	30.5
Maximum	33.4	12.5	5.3	7.8	240.8	109.8	173.7	128.8	146.5	204.2	186.7	54.3
Minimum	13.2	5.3	0.0	0.1	5.1	40.4	40.1	66.4	66.4	67.9	59.3	10.0
Total	55	21	5	3	267	158	296	239	231	352	288	82

(Total flows in million cubic metres per month)

Annual statistics

Mean : 63.1 (cubic metres per second)
Maximum : 240.8 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1996 (million cubic metres)

Data availability

Original values : 246
Estimated values (Flag e) : 120
Missing values (Flag m) : 0

Comments : A very dry year

River Jubba at Jamamme 1981

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.7	0.1	0.0e	445.3	486.3	403.0	129.1	168.6	355.8	457.9	492.7	143.2
2	8.0	0.0	0.0e	451.6	486.8	371.1	123.7	171.0	346.6	461.5	468.0	135.3
3	8.0	0.0	0.0e	459.5	487.9	350.3	118.6	173.3	314.8	474.4	444.6	130.4
4	7.5	0.0	0.0e	466.0	484.8	321.2	115.5	174.1	317.5	473.8	419.3	127.6
5	6.3	0.0	0.0e	470.4	483.9	308.8	116.7	170.1	317.6	469.9	387.3	124.2
6	5.7	0.0	0.0e	474.5	483.9	299.4	120.4	168.6	285.9	460.5	363.6	119.1
7	5.3	0.0	0.0e	480.2	484.4	298.1	118.5	167.9	285.7	451.7	352.1	116.9
8	5.2	0.0	0.0e	482.3	485.8	274.8	117.1	169.8	279.0	444.2	341.8	114.3
9	5.1	0.0	0.0e	476.2	482.8	260.6	115.1	172.5	271.0	435.0	323.7	111.6
10	4.9	0.0	0.0e	474.1	478.6	246.0	114.5	183.9	251.9	426.2	308.8	108.2
11	4.4	0.0	0.0e	473.7	476.7	232.2	119.9	204.2	254.3	418.3	280.6	105.0
12	4.1	0.0	0.0e	475.8	476.0	220.6	129.3	225.7	292.0	395.2	262.9	103.9
13	3.7	0.0	0.0e	476.7	473.2	212.9	132.8	229.8	317.1	340.3	248.5	103.1
14	3.6	0.0	0.0e	477.3	474.5	212.0	131.7	239.4	334.0	354.0	238.8	101.9
15	3.4	0.0	0.0e	480.2	481.2	212.4	131.7	238.6	373.5	366.9	229.7	100.0
16	3.2	0.0	0.0e	485.0	488.7	207.4	131.7	234.6	400.3	386.0	249.5	95.0
17	3.4	0.0	0.0e	488.7	488.7	199.2	132.6	229.8	404.0	396.9	243.6	89.3
18	3.1	0.0	0.0e	488.7	489.2	188.6	135.9	225.9	396.9	411.5	208.0	88.5
19	2.7	0.0	0.0e	489.0	491.1	178.7	135.7	223.4	390.1	437.1	206.1	86.1
20	2.0	0.0	0.0e	489.4	491.9	171.5	133.8	229.2	385.3	453.2	214.1	81.6
21	1.7	0.0	2.2e	487.0	493.9	169.5	127.7	240.2	365.7	454.3	215.0	77.9
22	1.6	0.0	19.7e	484.8	490.0	168.7	121.9	275.3	355.8	461.0	206.1	74.7
23	1.6	0.0	14.9e	483.4	485.8	168.1	115.0	274.1	353.5	473.6	193.0	72.0
24	1.5	0.0	20.6e	483.1	482.8	168.0	109.3	267.2	345.8	480.2	180.7	69.4
25	1.2	0.0	106.6e	488.7	481.2	166.2	102.6	263.4	347.7	484.4	171.4	67.3
26	0.8	0.0	169.8e	488.4	487.6	160.5	98.7	256.0	349.2	486.8	165.1	65.3
27	0.6	0.0	121.1	487.5	482.8	154.0	96.2	260.3	364.9	489.8	158.8	63.1
28	0.5	0.0	151.8	487.0	478.6	147.5	100.8	275.4	421.7	494.6	154.3	61.0
29	0.4		234.8	485.6	475.7	139.5	110.7	306.4	455.6	498.9	149.9	60.5
30	0.3		386.6	487.2	469.9	134.1	128.5	354.2	456.1	500.8	146.2	59.9
31	0.1		453.0		451.0		151.3	355.8		500.2		59.2
Mean	3.5	0.0	54.2	478.9	482.4	224.8	121.5	229.9	346.3	446.4	267.5	94.0
Maximum	8.7	0.1	453.0	489.4	493.9	403.0	151.3	355.8	456.1	500.8	492.7	143.2
Minimum	0.1	0.0	0.0	445.3	451.0	134.1	96.2	167.9	251.9	340.3	146.2	59.2
Total	9	0	145	1241	1292	583	325	616	898	1196	693	252

(Total flows in million cubic metres per month)

Annual statistics

Mean : 229.9 (cubic metres per second)
Maximum : 500.8 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 7251 (million cubic metres)

Data availability

Original values : 339
Estimated values (Flag e) : 26
Missing values (Flag m) : 0

Comments : River at bank-full level for two months in the Gu season

River Jubba at Jamamme 1982

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	57.6e	28.6e	15.0e	11.2e	288.8e	477.0e	326.9e	200.4e	220.4e	226.9e	477.0e	328.4e
2	56.6e	27.4e	14.2e	11.3e	252.0e	457.1e	325.5e	200.0e	239.5e	228.4e	477.0e	305.6e
3	55.7e	26.4e	13.2e	11.4e	208.0e	424.9e	325.3e	204.9e	279.7e	211.0e	477.0e	284.9e
4	53.6e	26.7e	12.4e	10.9e	187.0e	401.4e	311.2e	211.6e	311.4e	205.5e	477.0e	270.3e
5	51.5e	25.5e	11.9e	10.6e	210.4e	389.3e	323.7e	228.5e	324.4e	205.9e	477.0e	251.5e
6	50.2e	25.1e	11.4e	10.5e	274.0e	397.7e	305.6e	270.0e	317.6e	208.0e	477.0e	246.0e
7	49.3e	24.5e	10.7e	9.5e	265.9e	438.2e	308.0e	297.3e	302.4e	226.6e	477.0e	259.0e
8	47.6e	25.1e	9.9e	8.6e	222.4e	477.0e	295.0e	293.7e	288.3e	284.2e	477.0e	223.7e
9	47.4e	25.9e	8.9e	7.8e	196.1e	477.0e	293.4e	284.2e	275.6e	238.2e	477.0e	225.2e
10	46.4e	26.3e	8.8e	7.0e	181.2e	477.0e	296.7e	276.6e	265.2e	224.4e	477.0e	244.2e
11	44.9e	26.7e	8.5e	6.5e	174.2e	477.0e	296.7e	266.6e	238.3e	204.2e	477.0e	258.8e
12	43.7e	26.2e	8.4e	6.0e	187.7e	477.0e	299.5e	257.2e	208.8e	203.7e	477.0e	285.6e
13	42.5e	25.2e	8.1e	5.8e	209.8e	477.0e	305.7e	263.5e	190.5e	273.0e	477.0e	302.8e
14	41.5e	24.0e	7.8e	5.7e	256.1e	477.0e	298.5e	226.4e	225.3e	386.7e	477.0e	293.7e
15	40.7e	23.1e	7.5e	6.5e	306.2e	477.0e	281.9e	212.7e	206.0e	477.0e	477.0e	274.4e
16	39.9e	22.5e	8.2e	7.4e	367.7e	477.0e	269.4e	211.6e	183.9e	477.0e	433.7e	264.0e
17	39.8e	21.6e	9.0e	7.9e	304.2e	477.0e	273.6e	216.9e	204.9e	477.0e	399.2e	249.0e
18	38.8e	20.8e	9.3e	12.6e	238.4e	459.1e	290.7e	219.6e	209.0e	477.0e	373.0e	238.4e
19	37.4e	20.3e	9.0e	49.9e	205.2e	432.4e	295.7e	217.8e	205.9e	477.0e	360.0e	272.6e
20	36.4e	20.1e	8.6e	118.3e	241.2e	398.5e	288.6e	216.6e	207.4e	477.0e	353.4e	227.3e
21	36.0e	18.9e	7.4e	137.2e	324.0e	376.6e	281.9e	210.7e	208.0e	477.0e	358.8e	210.4e
22	35.1e	18.2e	6.8e	167.6e	366.9e	339.0e	278.1e	204.3e	209.1e	477.0e	376.6e	204.6e
23	34.4e	17.2e	6.5e	204.6e	424.8e	331.3e	274.2e	199.5e	206.2e	477.0e	388.8e	197.5e
24	33.6e	16.7e	6.6e	184.1e	477.0e	314.7e	267.1e	190.9e	201.4e	477.0e	387.5e	189.7e
25	34.0e	16.4e	7.1e	164.0e	477.0e	314.9e	259.8e	180.9e	203.5e	477.0e	381.5e	178.4e
26	33.8e	16.2e	7.9e	140.2e	477.0e	304.1e	254.4e	180.7e	178.2e	477.0e	380.2e	174.2e
27	33.2e	15.8e	7.9e	123.6e	477.0e	296.1e	254.9e	190.0e	170.6e	477.0e	365.7e	177.5e
28	32.2e	15.5e	8.4e	199.4e	477.0e	306.6e	268.5e	203.5e	175.8e	477.0e	355.5e	181.5e
29	30.9e		9.4e	288.9e	477.0e	323.6e	229.1e	215.5e	182.2e	477.0e	347.6e	179.7e
30	29.9e		10.3e	319.4e	477.0e	324.9e	215.5e	225.2e	202.9e	477.0e	348.1e	188.9e
31	29.0e		11.1e		477.0e		207.7e	222.3e		477.0e		217.4e
Mean	41.4	22.4	9.4	75.1	313.2	409.2	284.0	225.8	228.1	368.9	425.5	238.9
Maximum	57.6	28.6	15.0	319.4	477.0	477.0	326.9	297.3	324.4	477.0	477.0	328.4
Minimum	29.0	15.5	6.5	5.7	174.2	296.1	207.7	180.7	170.6	203.7	347.6	174.2
Total	111	54	25	195	839	1061	761	605	591	988	1103	640

(Total flows in million cubic metres per month)

Annual statistics

Mean : 221.1 (cubic metres per second)
Maximum : 477.0 (cubic metres per second)
Minimum : 5.7 (cubic metres per second)
Total : 6972 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data; little data elsewhere on Jubba so estimates possibly less reliable than in other years

River Jubba at Jamamme 1983

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	236.1e	53.4e	58.9e	17.6e	80.0	477.0e	206.1e	188.4	365.3	395.4	474.9	416.9
2	218.2e	50.4e	56.9e	16.8e	80.8	477.0e	208.7e	194.1	389.7	403.3	477.3	405.0
3	205.9e	55.8e	42.2e	19.6e	80.8	477.0e	204.8e	200.3	358.9	414.4	479.1	387.9
4	205.9e	48.4e	34.8e	28.4e	104.2	475.1e	198.4e	217.1	371.7	401.3	479.1	383.1
5	192.4e	48.1e	44.1e	25.3e	215.6	463.8e	216.4e	234.5	409.0	412.2	480.2	361.7
6	177.5e	47.3e	46.4e	17.6e	283.4	448.8e	220.0e	248.3	420.7	424.3	484.4	340.8
7	165.0e	49.3e	41.5e	22.0e	265.7	443.1e	213.8e	247.9	419.9	440.4	486.8	324.9
8	158.7e	94.4e	49.1e	21.7e	226.7	444.7e	213.4e	246.1	422.9	445.5	489.2	299.8e
9	152.0e	160.6e	36.0e	16.8e	213.3	433.5e	212.8e	243.9	416.2	449.4	491.6	268.4e
10	145.3e	134.2e	34.0e	15.1e	228.9	431.1e	206.5e	241.1	385.9	446.5	494.0	238.2e
11	139.8e	87.9e	34.5e	23.9e	281.3	436.5e	200.6e	241.9	341.2	455.0	497.0	229.1e
12	134.2e	103.5e	35.2e	20.0e	260.5	452.2e	245.8e	243.9	339.9	455.6	501.3	212.4e
13	121.0e	67.8e	33.3e	15.3e	235.4	454.5e	294.5e	240.7	334.6	461.9	503.2	187.8e
14	115.0e	42.0e	31.7e	13.7e	185.1	445.8e	358.3e	239.4	333.0	453.0	504.8	192.5e
15	109.5e	46.2e	52.0e	12.1e	179.8	432.9e	333.5	239.0	335.3	445.3	510.5	194.0e
16	105.3e	48.4e	46.1e	21.4e	172.8	410.9e	330.5	236.8	354.5	450.5	473.0e	190.3e
17	101.6e	46.3e	31.2e	28.5e	163.9e	391.3e	311.8	233.3	395.4	456.9	380.6e	186.3e
18	96.1e	46.1e	30.5e	23.7e	177.4e	358.3e	297.5	230.1	399.4	472.0	370.2e	177.8e
19	90.1e	52.4e	45.2e	22.3e	172.9e	350.3e	283.0	228.4	402.1	481.1	378.4e	166.6e
20	86.9e	57.6e	42.9e	21.2e	158.4e	331.4e	268.7	224.4	406.0	485.0	395.3e	163.8e
21	83.8e	73.6e	29.1e	28.1e	154.7e	313.6e	249.7	212.8	403.3	486.6	429.9e	156.1e
22	80.8e	79.3e	16.0e	22.4e	182.1e	295.0e	245.9	204.2	390.6	473.9	447.2e	148.2e
23	82.1e	68.9e	13.9e	16.4e	277.6e	275.9e	232.1	198.7	399.7	462.3	455.0	140.1e
24	74.2e	59.2e	18.9e	17.0e	360.3e	260.7e	209.6	186.8	397.9	486.8	452.7	125.3e
25	72.5e	53.8e	27.7e	22.7e	381.8e	264.4e	196.3	194.4	393.0	489.2	450.4	115.1e
26	62.9e	71.3e	21.1e	42.4e	373.5e	259.7e	194.3	255.5	387.4	491.1	447.6	122.7e
27	68.2e	69.2e	17.7e	73.0e	367.2e	245.2e	191.1	297.0	381.4	491.1	443.5	120.6e
28	67.5e	58.3e	32.2e	62.1e	360.6e	244.4e	185.0	313.1	366.4	491.6	441.2	116.6e
29	66.9e		22.8e	70.2e	394.7e	213.3e	174.5	346.6	367.8	491.9	435.3	110.7e
30	61.5e		7.7e	74.5e	453.8e	204.8e	178.1	385.5	377.6	486.3	420.7	103.3e
31	54.3e		19.2e		477.0e		173.5	372.3		483.6		99.6e
Mean	120.4	66.9	34.0	27.7	243.6	373.7	234.0	244.7	382.2	457.5	459.2	215.7
Maximum	236.1	160.6	58.9	74.5	477.0	477.0	358.3	385.5	422.9	491.9	510.5	416.9
Minimum	54.3	42.0	7.7	12.1	80.0	204.8	173.5	186.8	333.0	395.4	370.2	99.6
Total	322	162	91	72	652	969	627	655	991	1225	1190	578

(Total flows in million cubic metres per month)

Annual statistics

Mean : 238.9 (cubic metres per second)
Maximum : 510.5 (cubic metres per second)
Minimum : 7.7 (cubic metres per second)
Total : 7534 (million cubic metres)

Comments : Reasonably reliable data from July

Data availability

Original values : 155
Estimated values (Flag e) : 210
Missing values (Flag m) : 0

River Jubba at Jamamme 1984

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	97.4e	34.4e	18.4e	6.8e	48.2e	89.3e	79.1	71.8	215.0	408.5	256.7	96.8e
2	96.7e	42.6e	20.6e	5.2e	44.8e	101.0e	70.6	73.8	205.2	374.9e	255.6	93.4e
3	94.0e	41.6e	18.0e	4.4e	28.1e	98.8e	64.6	101.3	179.5	360.0	181.4	96.2e
4	91.4e	33.3e	15.1e	3.1e	25.8e	101.3e	63.0	97.2	168.5	364.5	181.4	89.0e
5	87.7e	34.9e	14.4e	2.6e	21.4e	90.5e	59.3	108.3	144.7e	395.8	211.6	83.8e
6	84.8e	39.5e	14.2e	3.9e	24.1e	78.8e	55.7	114.9	136.6e	388.7	179.0	82.5e
7	86.8e	36.5e	14.3e	6.2e	23.0e	76.8e	81.8	118.1	131.2e	350.2	145.1	81.3e
8	69.1e	29.0e	12.5e	7.0e	17.4e	76.6e	81.5	141.7	110.0	347.7	128.2	76.9e
9	63.1e	32.8e	13.6e	5.9e	20.2e	73.1e	97.5	153.9	118.6e	338.2	120.5e	69.5e
10	73.0e	34.5e	11.4e	5.6e	21.1e	63.5e	104.3	149.2	123.5	343.8	125.9	64.7e
11	74.6e	35.0e	13.1e	5.1e	20.0e	58.8e	98.0	142.7	122.9e	323.7	168.7	65.0e
12	66.6e	30.4e	13.7e	6.1e	21.6e	58.7e	93.8	133.2	139.4e	321.4	180.9	79.1e
13	63.2e	29.0e	13.6e	7.5e	23.7e	58.0	86.4	137.1	152.0	324.0	142.6	62.3e
14	65.7e	26.9e	12.4e	6.9e	23.1e	58.2	79.7	128.5	130.3	344.9	140.6	55.3e
15	71.6e	26.5e	11.0e	5.8e	42.4e	83.5	76.5	136.5	138.2	346.0	147.8e	53.3e
16	71.7e	24.6e	10.3e	5.0e	36.6e	138.4	72.9	130.7	157.1	296.9	167.9	53.1e
17	66.6e	26.8e	11.4e	4.4e	26.7e	141.5	69.1	139.0	168.1	286.4	160.8	53.0e
18	64.9e	30.6e	12.4e	5.5e	19.9e	131.6	62.5	137.5	184.1	261.5	162.4	51.5e
19	60.1e	27.9e	13.2e	6.9e	38.6e	118.4	57.9	129.0	185.0	242.5	165.7	47.3e
20	59.3e	20.4e	14.0e	8.8e	158.2e	103.5	54.9	123.3	179.9	216.9	152.7	43.0e
21	59.3e	20.4e	12.6e	8.8e	151.3e	104.1	57.9	122.3	189.6e	210.2	137.6	40.9e
22	57.7e	23.6e	12.6e	9.6e	117.4e	105.0	60.1	137.5	199.3e	186.0	131.8	43.1e
23	48.7e	22.9e	10.6e	9.6e	110.0e	106.8	74.7	139.2	217.4e	182.2	112.9	42.2e
24	48.7e	20.3e	10.5e	8.7e	91.6e	108.0	51.8	146.8	247.4	170.3	112.6e	43.1e
25	55.5e	19.7e	13.0e	8.9e	72.0e	103.1	59.6	141.3	311.4	169.7	128.7e	42.2e
26	44.5e	18.8e	13.7e	12.3e	55.8e	99.8	53.6	146.9	366.7	191.2e	139.2e	37.9e
27	46.6e	19.9e	13.6e	20.6e	50.9e	91.8	47.3	160.6	402.4	225.3	117.3e	35.7e
28	47.3e	18.8e	12.9e	23.5e	53.8e	86.2	44.8	213.9	428.1	250.3e	109.3e	34.8e
29	47.3e	17.8e	12.5e	22.2e	49.2e	81.4	49.4e	223.8	433.4	286.8	104.5e	33.0e
30	46.6e		11.8e	45.8e	53.3e	87.8	57.2e	224.9	415.0	269.2	103.8e	31.6e
31	41.1e		9.2e		70.9e		67.0e	223.1		259.8		32.8e
Mean	66.2	28.3	13.3	9.4	50.4	92.5	68.8	140.3	210.0	291.5	152.4	58.5
Maximum	97.4	42.6	20.6	45.8	158.2	141.5	104.3	224.9	433.4	408.5	256.7	96.8
Minimum	41.1	17.8	9.2	2.6	17.4	58.0	44.8	71.8	110.0	169.7	103.8	31.6
Total	177	71	36	24	135	240	184	376	544	781	395	157

(Total flows in million cubic metres per month)

Annual statistics

Mean : 98.6 (cubic metres per second)
Maximum : 433.4 (cubic metres per second)
Minimum : 2.6 (cubic metres per second)
Total : 3120 (million cubic metres)

Data availability

Original values : 147
Estimated values (Flag e) : 219
Missing values (Flag m) : 0

Comments : January original data erroneous; February-May and December unavailable

River Jubba at Jamamme 1985

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	33.0e	19.5e	2.4e	3.9e	405.2e	448.2e	215.3e	209.1e	273.2e	172.7e	231.1e	114.0e
2	34.0e	20.3e	5.0e	3.7e	471.3e	376.3e	232.8e	213.1e	253.6e	171.9e	214.5e	126.6e
3	30.8e	16.5e	5.1e	6.5e	477.0e	356.0e	253.9e	214.0e	231.5e	169.7e	204.2e	134.0e
4	28.5e	10.4e	3.7e	31.0e	477.0e	346.7e	259.5e	212.0e	228.6e	170.8e	196.5e	129.0e
5	29.6e	9.0e	3.1e	51.0e	477.0e	338.6e	248.6e	220.2e	228.0e	169.1e	189.2e	121.0e
6	28.8e	10.4e	3.3e	41.3e	477.0e	331.4e	229.6e	224.2e	216.1e	166.8e	182.3e	116.0e
7	30.8e	9.5e	3.2e	31.3e	477.0e	278.2e	216.8e	256.8e	217.3e	221.4e	179.3e	111.1e
8	33.2e	8.9e	3.7e	24.3e	477.0e	253.3e	202.8e	289.6e	218.1e	233.6e	176.3e	106.5e
9	29.3e	8.7e	4.0e	22.3e	477.0e	240.1e	193.7e	300.2e	206.4e	244.4e	173.4e	99.6e
10	30.4e	7.6e	3.3e	21.5e	477.0e	219.6e	191.0e	291.5e	198.8e	251.8e	173.0e	89.5e
11	33.4e	7.3e	3.6e	21.1e	477.0e	201.1e	194.2e	282.8e	179.1e	238.9e	178.5e	84.2e
12	32.7e	7.0e	3.5e	20.7e	477.0e	193.7e	195.4e	262.8e	171.4e	226.2e	186.4e	77.6e
13	27.0e	6.6e	3.0e	20.6e	477.0e	187.2e	195.3e	253.0e	167.0e	219.3e	196.0e	75.6e
14	21.8e	5.5e	2.6e	19.4e	477.0e	181.6e	197.8e	253.0e	186.5e	212.3e	195.9e	75.6e
15	23.2e	6.6e	2.5e	15.6e	477.0e	176.7e	197.7e	254.6e	171.3e	204.9e	159.6e	73.2e
16	25.5e	6.1e	2.0e	14.5e	477.0e	175.4e	197.8e	258.3e	157.6e	204.9e	151.0e	70.0e
17	24.4e	6.8e	1.6e	14.1e	477.0e	179.9e	194.8e	273.1e	151.8e	215.9e	153.8e	64.8e
18	25.5e	6.7e	1.1e	20.3e	477.0e	175.1e	191.1e	324.9e	159.9e	228.1e	157.8e	61.1e
19	27.2e	6.1e	0.9e	83.2e	477.0e	167.8e	182.9e	336.8e	156.2e	286.3e	166.2e	57.8e
20	23.3e	5.9e	0.8e	192.6e	477.0e	161.2e	168.7e	301.1e	169.1e	308.2e	170.2e	57.1e
21	24.1e	5.3e	0.6e	279.2e	477.0e	166.4e	164.6e	279.6e	186.0e	316.4e	168.3e	57.9e
22	21.7e	4.8e	0.4e	265.8e	477.0e	164.2e	156.3e	279.8e	199.6e	324.8e	166.9e	54.8e
23	20.6e	4.5e	0.2e	193.4e	477.0e	165.8e	154.6e	290.2e	194.8e	326.8e	162.8e	53.6e
24	21.2e	4.6e	0.4e	147.5e	477.0e	185.0e	150.5e	298.4e	173.1e	332.6e	146.7e	52.4e
25	20.7e	2.5e	0.2e	121.0e	477.0e	174.1e	157.6e	310.0e	174.9e	328.0e	133.0e	50.0e
26	20.1e	1.7e	0.1e	123.4e	477.0e	176.3e	161.0e	299.0e	191.0e	318.1e	125.4e	47.0e
27	20.6e	1.4e	0.1e	203.0e	477.0e	187.8e	193.1e	293.8e	174.4e	298.9e	118.3e	46.8e
28	20.7e	1.8e	0.3e	395.3e	477.0e	199.2e	204.3e	288.6e	171.0e	288.8e	118.3e	50.4e
29	20.3e		1.3e	429.0e	477.0e	217.5e	208.6e	290.0e	170.2e	288.8e	116.8e	49.1e
30	18.6e		3.1e	406.5e	477.0e	215.1e	210.7e	282.9e	170.5e	277.5e	113.7e	47.9e
31	19.6e		3.4e		477.0e		207.7e	276.7e		249.7e		47.0e
Mean	25.8	7.6	2.2	107.4	474.5	228.0	197.7	271.6	191.6	247.3	166.9	77.5
Maximum	34.0	20.3	5.1	429.0	477.0	448.2	259.5	336.8	273.2	332.6	231.1	134.0
Minimum	18.6	1.4	0.1	3.7	405.2	161.2	150.5	209.1	151.8	166.8	113.7	46.8
Total	69	18	6	278	1271	591	530	728	497	663	432	207

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	167.7	(cubic metres per second)
Maximum	:	477.0	(cubic metres per second)
Minimum	:	0.1	(cubic metres per second)
Total	:	5290	(million cubic metres)

Data availability

Original values	:	0
Estimated values (Flag e)	:	365
Missing values (Flag m)	:	0

Comments : No original data. Estimates generally good, except possibly at peak flows

River Jubba at Jamamme 1986

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	45.3e	14.1e	4.6e	2.9e	183.9e	473.0e	247.8e	181.9e	201.4e	424.3e	234.4e	95.8e
2	42.3e	13.5e	4.8e	2.8e	206.0e	477.0e	275.6e	172.5e	197.9e	407.8e	232.9e	96.6e
3	42.3e	13.1e	4.8e	2.9e	211.5e	450.0e	300.5e	166.6e	185.6e	392.6e	230.4e	92.0e
4	40.0e	12.8e	4.5e	2.8e	219.4e	411.9e	315.1e	171.1e	176.1e	366.3e	254.8e	91.5e
5	38.4e	11.9e	5.0e	2.8e	225.1e	409.7e	320.4e	175.9e	172.0e	341.9e	267.6e	82.6e
6	35.9e	8.3e	5.5e	3.0e	212.4e	395.2e	320.3e	171.6e	167.8e	324.5e	266.3e	73.2e
7	34.1e	7.2e	5.5e	4.8e	204.1e	366.4e	314.8e	163.1e	161.3e	302.0e	253.8e	68.1e
8	31.1e	6.4e	5.2e	9.8e	213.1e	348.4e	306.3e	154.6e	151.8e	285.2e	248.6e	67.3e
9	27.2e	5.3e	4.2e	13.5e	217.9e	336.1e	293.2e	145.0e	145.6e	271.6e	236.6e	75.0e
10	24.5e	6.1e	3.3e	13.6e	238.6e	295.3e	271.0e	140.8e	136.6e	257.4e	219.3e	77.4e
11	25.6e	7.3e	3.2e	11.9e	303.3e	273.8e	265.6e	145.0e	126.7e	237.1e	207.3e	73.5e
12	26.0e	7.2e	2.8e	10.4e	313.6e	266.1e	273.1e	149.8e	117.6e	249.7e	197.7e	67.4e
13	25.7e	6.8e	2.9e	9.3e	298.0e	242.1e	278.0e	159.9e	113.1e	264.4e	181.1e	66.5e
14	23.6e	6.8e	2.9e	9.2e	285.4e	265.9e	274.9e	174.9e	112.0e	261.4e	180.5e	62.9e
15	26.3e	7.2e	2.9e	9.4e	279.2e	350.4e	271.9e	175.0e	112.6e	249.9e	166.1e	58.3e
16	27.8e	7.1e	2.8e	9.4e	245.6e	356.6e	263.0e	165.6e	116.0e	252.6e	155.7e	58.2e
17	25.6e	7.4e	2.8e	19.3e	202.2e	338.3e	255.8e	158.4e	142.4e	272.2e	144.5e	56.5e
18	22.2e	6.9e	3.1e	109.5e	190.4e	320.0e	253.0e	149.6e	187.2e	284.4e	130.4e	56.8e
19	18.7e	7.3e	3.3e	274.2e	174.1e	304.9e	254.3e	144.5e	201.4e	283.5e	122.7e	57.2e
20	17.1e	6.5e	3.1e	222.5e	167.9e	297.0e	250.3e	146.3e	201.2e	268.2e	119.3e	56.2e
21	17.2e	5.7e	2.9e	163.1e	162.6e	277.0e	242.6e	144.6e	199.5e	263.7e	119.0e	54.7e
22	16.9e	5.9e	2.8e	153.8e	159.8e	268.3e	238.7e	133.7e	201.7e	260.6e	115.9e	52.3e
23	16.1e	6.9e	2.9e	150.8e	187.0e	263.4e	225.8e	133.7e	226.7e	257.6e	110.9e	49.0e
24	15.2e	6.0e	2.9e	149.4e	213.9e	262.1e	215.1e	144.9e	302.2e	257.8e	105.7e	48.2e
25	14.9e	5.0e	2.9e	201.4e	230.2e	258.3e	207.4e	149.2e	353.7e	269.9e	103.2e	50.2e
26	15.3e	5.2e	2.7e	260.4e	238.9e	258.8e	194.0e	158.2e	379.6e	303.0e	98.4e	60.3e
27	14.7e	4.9e	2.9e	320.2e	247.7e	255.8e	187.6e	178.3e	389.6e	344.9e	88.3e	61.2e
28	13.6e	4.6e	2.9e	325.7e	254.9e	248.7e	190.0e	204.9e	392.9e	335.5e	88.2e	59.9e
29	13.5e		2.8e	294.1e	294.3e	239.0e	182.4e	208.3e	408.8e	292.5e	102.6e	52.4e
30	13.6e		2.9e	176.4e	356.7e	226.2e	183.7e	204.7e	427.1e	271.2e	100.3e	53.3e
31	13.4e		2.8e		421.6e		186.0e	200.4e		252.6e		52.5e
Mean	24.6	7.6	3.5	98.0	237.4	317.9	253.5	163.6	213.6	293.8	169.4	65.4
Maximum	45.3	14.1	5.5	325.7	421.6	477.0	320.4	208.3	427.1	424.3	267.6	96.6
Minimum	13.4	4.6	2.7	2.8	159.8	226.2	182.4	133.7	112.0	237.1	88.2	48.2
Total	66	18	9	254	636	824	679	438	554	787	439	175

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	154.7	(cubic metres per second)
Maximum	:	477.0	(cubic metres per second)
Minimum	:	2.7	(cubic metres per second)
Total	:	4879	(million cubic metres)

Data availability

Original values	:	0
Estimated values (Flag e)	:	365
Missing values (Flag m)	:	0

Comments : No original data. Estimates generally good, except possibly at peak flows

River Jubba at Jamamme 1987

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	48.5e	13.6e	5.5e	32.1e	129.2e	477.0e	389.0e	193.4e	119.6e	135.1e	354.4e	180.0e
2	41.9e	12.3e	5.5e	31.4e	116.1e	477.0e	361.7e	180.4e	124.0e	138.1e	329.6e	163.7e
3	42.7e	12.6e	5.5e	33.2e	113.7e	477.0e	333.8e	168.8e	135.3e	136.8e	306.5e	156.6e
4	42.1e	11.8e	4.4e	36.5e	127.7e	477.0e	307.9e	160.0e	150.6e	135.9e	296.7e	149.8e
5	37.9e	11.3e	3.7e	33.3e	240.2e	477.0e	280.5e	169.7e	168.7e	135.1e	293.7e	147.4e
6	36.0e	12.7e	3.5e	28.6e	267.3e	477.0e	279.8e	181.8e	179.2e	130.5e	308.5e	144.8e
7	37.5e	11.8e	2.8e	21.0e	202.9e	477.0e	269.3e	196.7e	190.3e	126.9e	348.3e	132.0e
8	36.7e	10.5e	2.6e	32.7e	151.6e	477.0e	257.0e	195.5e	215.3e	124.7e	337.7e	136.8e
9	36.4e	10.2e	1.9e	34.1e	118.8e	477.0e	243.4e	190.7e	232.3e	121.9e	332.7e	134.8e
10	35.7e	9.2e	1.8e	34.0e	114.6e	477.0e	236.8e	184.4e	251.7e	123.4e	351.3e	130.1e
11	34.0e	7.5e	1.8e	32.9e	133.6e	477.0e	244.8e	186.5e	261.1e	132.6e	386.1e	124.8e
12	34.2e	6.8e	1.8e	26.7e	118.6e	477.0e	248.6e	180.9e	253.1e	138.9e	423.3e	123.0e
13	30.3e	6.5e	2.5e	30.5e	129.1e	477.0e	244.4e	170.3e	242.0e	140.2e	435.5e	116.3e
14	24.8e	6.2e	2.7e	33.6e	99.7e	477.0e	245.6e	161.0e	226.7e	173.1e	440.4e	109.3e
15	25.6e	6.6e	3.4e	37.1e	81.5e	477.0e	260.5e	153.1e	208.5e	237.2e	444.9e	99.1e
16	26.8e	6.7e	3.5e	36.0e	77.6e	477.0e	281.1e	146.1e	195.0e	276.4e	441.5e	95.2e
17	25.9e	6.8e	3.5e	36.9e	75.6e	477.0e	286.0e	138.7e	184.0e	308.6e	427.8e	91.6e
18	25.2e	8.4e	3.5e	37.8e	69.7e	477.0e	282.9e	133.0e	174.5e	323.9e	412.6e	91.7e
19	19.8e	9.3e	3.5e	40.4e	79.9e	477.0e	285.0e	133.0e	166.4e	312.4e	389.3e	88.5e
20	16.1e	11.0e	3.9e	43.0e	101.0e	477.0e	274.7e	133.6e	157.4e	314.9e	359.2e	84.4e
21	14.5e	11.0e	6.1e	55.0e	152.8e	477.0e	257.0e	131.2e	161.2e	342.9e	341.7e	80.4e
22	14.2e	9.8e	7.6e	82.3e	298.9e	477.0e	247.3e	123.7e	155.8e	387.8e	323.8e	86.4e
23	16.1e	9.1e	8.3e	116.8e	368.0e	477.0e	232.9e	119.5e	143.0e	423.7e	296.9e	79.6e
24	15.9e	8.0e	7.5e	124.7e	432.5e	477.0e	231.7e	120.2e	131.5e	441.0e	284.2e	82.4e
25	14.2e	6.7e	7.3e	145.4e	415.0e	477.0e	229.1e	120.5e	114.3e	442.7e	264.8e	81.9e
26	14.6e	5.6e	6.5e	182.9e	475.2e	477.0e	224.1e	119.0e	113.0e	439.4e	247.9e	77.1e
27	12.6e	5.3e	5.5e	184.2e	477.0e	477.0e	217.1e	111.3e	120.9e	429.4e	224.1e	74.7e
28	12.6e	5.5e	6.5e	159.1e	477.0e	477.0e	207.3e	114.4e	103.7e	412.9e	219.6e	77.4e
29	13.8e		7.7e	146.4e	477.0e	452.8e	194.9e	119.1e	119.0e	399.2e	207.8e	79.3e
30	13.9e		12.4e	145.8e	477.0e	419.8e	184.8e	121.1e	124.0e	387.5e	190.8e	75.4e
31	17.0e		31.8e		477.0e		187.8e	121.0e		372.2e		71.8e
Mean	26.4	9.0	5.6	67.1	228.3	474.3	258.9	150.9	170.7	262.7	334.1	108.6
Maximum	48.5	13.6	31.8	184.2	477.0	477.0	389.0	196.7	261.1	442.7	444.9	180.0
Minimum	12.6	5.3	1.8	21.0	69.7	419.8	184.8	111.3	103.7	121.9	190.8	71.8
Total	71	22	15	174	611	1229	694	404	443	704	866	291

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	175.1	(cubic metres per second)
Maximum	:	477.0	(cubic metres per second)
Minimum	:	1.8	(cubic metres per second)
Total	:	5523	(million cubic metres)

Data availability

Original values	:	0
Estimated values (Flag e)	:	365
Missing values (Flag m)	:	0

Comments : No original data. Estimates generally good, except possibly at peak flows

River Jubba at Jamamme 1988

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	72.4e	42.8e	16.1e	13.9e	149.3e	157.8e	123.0e	321.2e	290.9e	254.6e	477.0e	156.1e
2	70.9e	29.2e	14.2e	20.2e	144.8e	149.3e	127.2e	322.2e	312.7e	250.6e	477.0e	147.4e
3	64.9e	17.0e	14.3e	35.0e	165.8e	150.8e	129.5e	328.6e	311.9e	250.1e	477.0e	137.3e
4	61.3e	15.1e	13.9e	27.7e	178.7e	147.1e	126.4e	310.2e	307.1e	265.1e	477.0e	128.1e
5	58.6e	21.3e	13.8e	26.6e	176.6e	141.3e	121.7e	293.3e	287.4e	260.0e	477.0e	118.3e
6	55.5e	40.6e	12.3e	29.3e	276.9e	130.0e	118.4e	274.8e	283.6e	259.0e	477.0e	108.1e
7	52.4e	41.6e	11.3e	17.8e	300.2e	122.9e	112.7e	261.6e	265.3e	251.6e	477.0e	98.9e
8	49.2e	24.7e	11.7e	18.0e	228.8e	123.3e	101.5e	244.3e	257.0e	254.0e	477.0e	95.7e
9	47.3e	15.2e	13.0e	18.4e	179.5e	112.7e	89.5e	236.8e	239.7e	264.7e	471.4e	92.0e
10	46.3e	13.8e	12.6e	18.3e	173.6e	109.9e	87.9e	234.9e	239.2e	279.7e	457.6e	88.4e
11	45.2e	13.7e	14.5e	18.2e	170.3e	105.0e	88.0e	239.0e	237.7e	284.3e	443.8e	86.1e
12	36.6e	13.4e	17.2e	18.9e	161.7e	85.4e	80.3e	228.5e	222.0e	284.6e	425.5e	82.9e
13	34.5e	15.8e	16.9e	18.9e	151.8e	70.8e	72.5e	248.6e	217.3e	289.8e	402.6e	79.3e
14	39.0e	28.4e	14.1e	20.1e	147.9e	70.8e	74.3e	297.2e	204.4e	298.0e	377.1e	78.6e
15	39.2e	42.1e	13.0e	23.8e	154.6e	66.0e	84.9e	371.7e	201.9e	304.7e	351.4e	76.8e
16	28.4e	28.3e	13.2e	34.9e	159.3e	55.6e	103.3e	405.8e	224.8e	323.7e	338.1e	76.0e
17	25.2e	15.6e	12.4e	54.9e	154.3e	55.9e	125.2e	401.2e	232.2e	365.4e	328.8e	74.2e
18	41.3e	13.7e	13.4e	140.2e	147.0e	60.0e	135.6e	389.3e	242.2e	392.0e	327.4e	71.3e
19	39.2e	16.2e	15.7e	288.3e	125.6e	63.9e	149.5e	376.6e	254.8e	407.5e	316.8e	67.8e
20	27.1e	17.7e	15.8e	266.3e	123.9e	61.4e	140.3e	365.7e	252.3e	423.8e	291.4e	65.3e
21	27.3e	20.7e	16.7e	248.6e	136.2e	59.4e	139.3e	357.9e	243.4e	431.8e	272.8e	64.0e
22	36.7e	19.8e	14.9e	212.8e	149.1e	57.9e	155.7e	374.2e	238.0e	425.0e	257.7e	63.0e
23	29.1e	19.9e	13.6e	187.3e	139.1e	55.7e	171.9e	408.5e	229.7e	432.0e	242.6e	61.1e
24	26.6e	20.2e	13.9e	196.5e	125.3e	54.9e	173.4e	410.7e	218.4e	443.4e	229.7e	59.1e
25	41.6e	19.6e	15.1e	178.0e	124.1e	59.0e	167.9e	380.6e	211.5e	477.0e	218.7e	57.2e
26	43.6e	19.5e	16.1e	224.4e	119.1e	75.4e	160.8e	352.3e	199.9e	477.0e	205.4e	58.4e
27	39.8e	19.4e	16.7e	239.5e	106.9e	101.3e	163.0e	369.4e	201.3e	477.0e	193.4e	56.8e
28	28.0e	18.7e	15.8e	203.1e	104.5e	116.2e	226.9e	304.2e	258.6e	477.0e	183.3e	59.4e
29	18.2e	17.6e	14.5e	176.6e	106.2e	123.7e	319.4e	274.5e	272.2e	477.0e	173.8e	57.1e
30	20.0e		12.0e	160.4e	118.2e	123.2e	349.2e	264.6e	270.8e	477.0e	164.9e	55.1e
31	42.6e		12.2e		151.0e		336.8e	261.0e		477.0e		54.4e
Mean	41.5	22.1	14.2	104.6	156.5	95.6	147.0	319.7	247.6	355.9	349.7	83.0
Maximum	72.4	42.8	17.2	288.3	300.2	157.8	349.2	410.7	312.7	477.0	477.0	156.1
Minimum	18.2	13.4	11.3	13.9	104.5	54.9	72.5	228.5	199.9	250.1	164.9	54.4
Total	111	55	38	271	419	248	394	856	642	953	906	222

(Total flows in million cubic metres per month)

Annual statistics

Mean : 161.8 (cubic metres per second)
Maximum : 477.0 (cubic metres per second)
Minimum : 11.3 (cubic metres per second)
Total : 5116 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 366
Missing values (Flag m) : 0

Comments : No original data. Estimates generally good, except possibly at peak flows

River Jubba at Jamamme 1989

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	54.0e	9.5e	0.0e	35.5e	172.4e	264.0e	215.9	192.4	167.8	326.6	448.6	383.0
2	61.9e	8.3e	0.0e	27.0e	243.1e	243.3e	203.7	188.8	184.5	303.9	449.7	381.9
3	51.5e	7.7e	0.0e	16.4e	332.8e	247.2e	202.7	235.8	192.1	294.7	449.8	364.4
4	47.7e	7.0e	0.5e	8.5e	471.4e	204.2e	186.0	289.0	190.5	286.4	449.7	321.2
5	45.3e	6.1e	0.8e	5.8e	477.0e	187.4e	171.9	295.2	185.6	284.6	448.7	308.8
6	44.0e	5.7e	1.0e	4.1e	477.0e	173.3e	166.0	292.3	179.2	296.0	448.4	306.6
7	43.1e	6.3e	0.9e	2.8e	477.0e	169.1	155.7	291.6	182.0	316.9	446.6	300.7
8	40.9e	6.2e	1.2e	3.5e	477.0e	155.5	141.1	276.6	189.4	359.8	450.1	295.6
9	39.2e	5.8e	1.4e	3.4e	477.0e	157.6	136.9	256.9	182.0	406.7	451.3	311.6
10	38.5e	5.6e	1.0e	3.2e	477.0e	147.9	141.1	250.5	196.9	419.1	452.9e	302.9
11	37.6e	5.7e	0.0e	5.9e	477.0e	147.6	128.2	242.4	244.9	429.7	454.4	277.0
12	36.3e	5.7e	0.0e	50.7e	477.0e	143.9	118.0	231.2	286.4	430.2	451.7	281.8
13	35.3e	5.6e	0.0e	273.7e	477.0e	144.3	116.3	226.4	300.4	430.2	445.0	271.9
14	33.7e	5.7e	0.0e	328.4e	477.0e	143.1	109.8	226.1	317.3	429.5	436.6	260.8
15	32.7e	5.6e	0.0e	305.1e	477.0e	139.3	108.8	216.6	325.9	429.5	432.6	233.1
16	31.6e	5.5e	0.0e	332.8e	477.0e	126.0	102.2	202.3	339.4	432.1	431.4	230.0
17	30.5e	5.0e	0.0e	339.0e	477.0e	116.0	103.2	183.4	344.0	432.1	431.4	225.0
18	29.6e	4.6e	0.0e	235.9e	452.2e	108.4	100.9	174.1	352.0	431.4	431.4	211.6
19	28.6e	5.1e	0.0e	235.1e	391.2e	107.1	104.6	166.7	356.3	430.7	431.2	206.5
20	27.8e	5.0e	0.0e	221.4e	353.7e	99.8	131.2	158.8	372.6	425.3	428.9	204.5
21	26.8e	4.4e	0.5e	263.0e	325.6e	97.0	141.6	151.9	416.7	421.2	420.9	281.9
22	25.0e	4.3e	0.0e	293.9e	305.8e	94.8	156.7	154.4	427.4	408.4	410.0	330.5
23	24.0e	4.5e	0.0e	320.0e	296.7e	148.8	159.8	169.1	426.7	402.4	396.3	337.5
24	23.6e	2.8e	0.0e	298.0e	298.7e	203.5	164.0	165.5	424.2	409.6	377.1	327.4
25	23.6e	2.4e	0.0e	266.5e	303.7e	220.1	176.3	170.5	407.2	434.9	382.2	320.4
26	24.1e	2.0e	0.0e	243.5e	311.0e	217.9	189.3	176.0	385.5	435.6	381.5	313.1
27	23.2e	1.4e	0.0e	216.5e	315.5e	224.0	220.3	172.5	372.5	437.4	383.5	289.9
28	22.7e	0.0e	0.0e	197.5e	314.5e	232.8	233.8	160.9	366.3	438.4	383.7	286.1
29	22.2e		0.0e	187.7e	309.1e	226.6	234.9	162.1	362.3	441.7	382.6	281.1
30	20.7e		1.5e	162.5e	301.8e	214.0	221.2	164.4	337.8	446.1	379.4	247.4
31	14.6e		31.0e		285.5e		206.4	166.5		447.4		238.0
Mean	33.6	5.1	1.3	162.9	386.6	170.1	159.6	206.8	300.5	397.4	425.6	288.1
Maximum	61.9	9.5	31.0	339.0	477.0	264.0	234.9	295.2	427.4	447.4	454.4	383.0
Minimum	14.6	0.0	0.0	2.8	172.4	94.8	100.9	151.9	167.8	284.6	377.1	204.5
Total	90	12	3	422	1036	441	428	554	779	1064	1103	772

(Total flows in million cubic metres per month)

Annual statistics

Mean : 212.6 (cubic metres per second)
Maximum : 477.0 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 6704 (million cubic metres)

Data availability

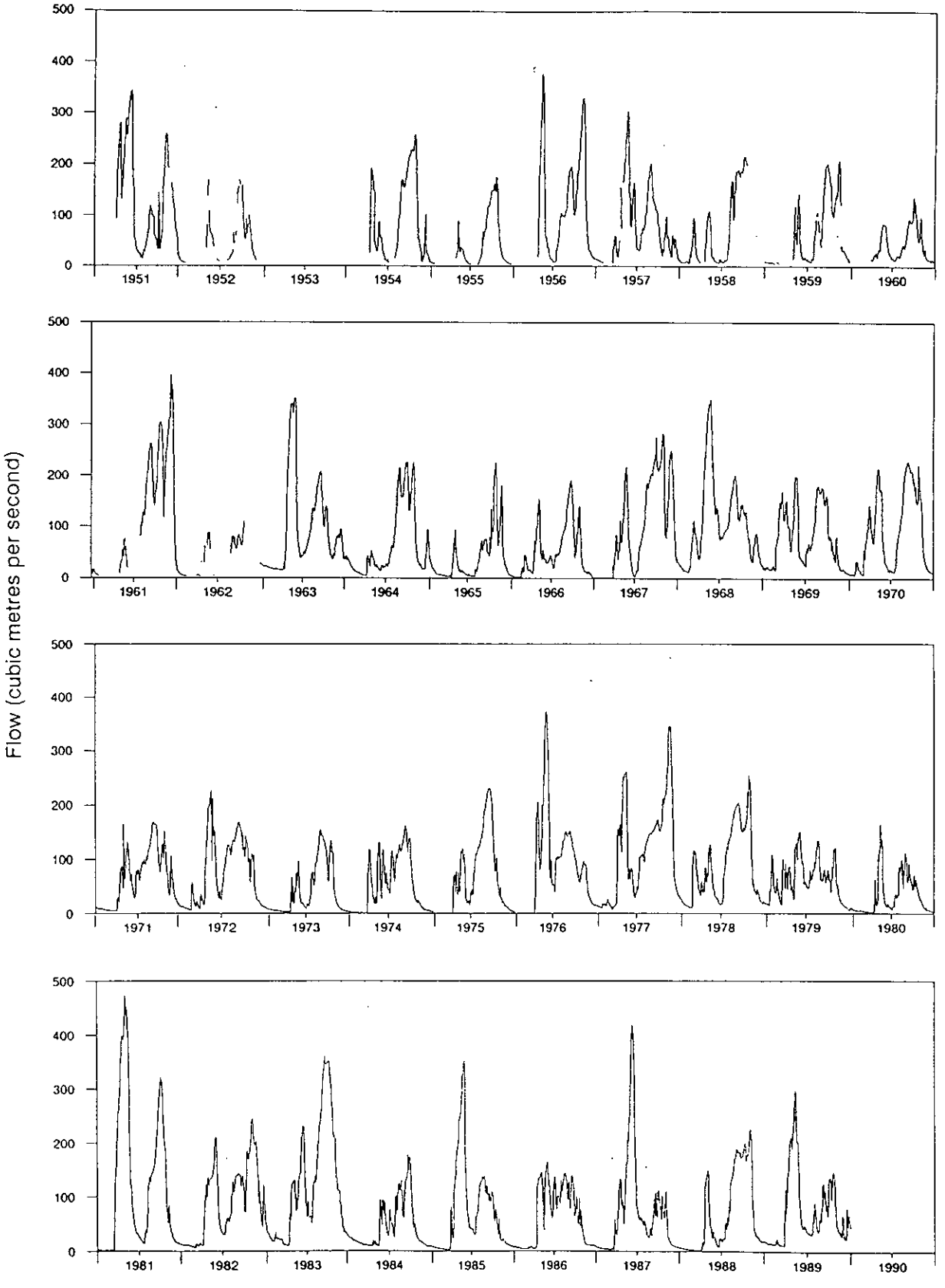
Original values : 207
Estimated values (Flag e) : 158
Missing values (Flag m) : 0

Comments : New observer employed from June; observations appear to be reliable

BELED WEYN

1951 - 1989

River Shebelli: Daily mean flows for Beled Weyn for the period 1951 -1989



River Shebelli at Beled Weyn 1951

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	m	155.2	322.0	37.0e	23.2	114.8	39.7	211.3e	162.1
2	m	m	m	m	156.5	323.1	36.7	27.2	112.3e	37.3	225.1	159.1
3	m	m	m	m	163.4	329.2	32.7	31.5	109.7	34.7	230.8	155.6
4	m	m	m	m	175.8	330.7	31.8	30.0e	109.7	32.4	237.4e	152.6
5	m	m	m	92.4	183.8	334.3	29.9	28.5e	109.2	32.1	244.3e	151.3
6	m	m	m	96.7	191.9	337.9	28.7e	27.2	105.3	67.9e	251.3e	145.7
7	m	m	m	123.7	205.2	338.9	27.5	28.1	101.4	143.6	258.5	141.9
8	m	m	m	145.6e	215.8	342.1	29.3	33.7	100.9	104.1	258.5	137.3
9	m	m	m	171.3	221.4	343.2	29.6	35.6e	100.6e	71.0	258.5	125.1
10	m	m	m	182.9	231.3	342.7	29.3	37.7	100.4	39.0	258.5	118.9
11	m	m	m	191.9	240.8	331.9	27.2	40.1	97.1	34.3	254.4e	114.6
12	m	m	m	204.7	257.1	288.0	25.2	42.6	96.9e	32.4	250.3	112.7
13	m	m	m	213.0	266.3	265.0	24.9	44.3e	96.6	32.1	247.4	112.3
14	m	m	m	219.5	275.1	202.1	24.9	46.1	96.1	33.4	229.1e	111.6
15	m	m	m	229.7e	287.9	178.9	24.9	47.6	92.9	41.9	212.1	108.6
16	m	m	m	240.3	289.4	175.4e	24.6	49.4	83.8e	45.9	205.2	90.6
17	m	m	m	247.4	284.0	172.0e	23.0	53.5	75.6	48.9	196.0	84.3
18	m	m	m	258.0	268.2	168.7	22.4	55.5	69.1	51.7	193.5e	79.9
19	m	m	m	265.8	262.4	162.6	20.9	58.6	62.4	52.5	191.0	73.7
20	m	m	m	271.2	258.5	146.7	20.1	62.0	59.0	55.7	m	72.3
21	m	m	m	280.5	255.1	82.8	17.1	65.5	58.2	61.1	m	69.5
22	m	m	m	279.0	255.1	66.4	16.4	68.6	55.7	63.8	m	68.6
23	m	m	m	254.7	259.5	64.6	15.3	69.5	53.8e	74.6	m	65.5
24	m	m	m	207.6	269.7	58.6	16.4	74.2	52.1	91.9e	m	62.4
25	m	m	m	170.5	278.0	52.5	16.4	86.3	52.1	113.2	m	59.8e
26	m	m	m	143.6	285.4	49.3	15.1	95.6e	52.1	132.3	m	57.3e
27	m	m	m	130.5	291.4	47.8	14.9	105.8	51.7	147.6e	m	54.9
28	m	m	m	133.5	304.9	40.8	14.9	110.3	48.6	164.7e	m	50.5
29	m		m	147.0	313.4	37.7	16.8e	117.7	43.7	183.8	m	37.8
30	m		m	152.2	318.0	37.3	19.1	118.9	41.7e	190.9e	m	27.3
31	m		m		321.5		22.2	118.3		198.3		19.6
Mean	-	-	-	194.4	249.7	199.1	23.7	59.1	80.1	79.1	-	96.2
Maximum	-	-	-	-	321.5	343.2	37.0	118.9	114.8	198.3	-	162.1
Minimum	-	-	-	-	155.2	37.3	14.9	23.2	41.7	32.1	-	19.6
Total	-	-	-	-	669	516	64	158	208	212	-	258

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	228
Estimated values (Flag e)	:	32
Missing values (Flag m)	:	105

Comments : Data quality unknown, but appears to be reasonable
(rating uncertain and no other stations available for checking)

River Shebelli at Beled Weyn 1952

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	m	m	52.5	m	10.0	m	150.0	92.9	10.0
2	18.6	m	m	m	m	50.9	m	10.0	m	133.6e	88.5e	m
3	18.6	m	m	m	34.2	43.3	m	10.2	59.0	118.9	84.3	m
4	17.6e	m	m	m	80.6	38.0	m	11.3	62.4	107.5e	79.8e	m
5	16.7	m	m	m	75.1	m	m	11.5	68.2	97.2e	75.6	m
6	16.0	m	m	m	m	m	m	11.5	m	87.8e	69.1	m
7	11.9	m	m	m	136.9	m	m	12.0e	m	79.4	62.0	m
8	10.2	m	m	m	148.7	m	m	12.6e	m	73.7	56.1	m
9	10.0	m	m	m	161.7	m	m	13.1	121.3	71.4	52.0e	m
10	10.0e	m	m	m	168.7	m	m	13.8e	134.3	62.9	48.2	m
11	10.0	m	m	m	m	m	m	14.4e	141.9	59.0	43.0	m
12	9.8	m	m	m	148.7	m	m	15.1	148.7	55.4e	38.0	m
13	8.8	m	m	m	m	m	m	16.9	154.7	52.1	34.9e	m
14	8.6	m	m	m	107.5	20.6	m	20.1	m	52.1	32.1	m
15	8.6	m	m	m	93.5	m	m	20.3e	m	53.6e	31.1e	m
16	8.6	m	m	m	84.3	m	m	20.6	166.5	55.3	30.2e	m
17	8.6	m	m	m	77.5	m	m	21.6e	169.1	71.5e	29.3	m
18	8.4	m	m	m	72.9e	m	m	22.7	m	92.4	27.2	m
19	7.4	m	m	m	68.6	12.9	m	23.9e	m	79.4e	24.9	m
20	7.3	m	m	m	65.9	11.5	m	25.2	166.1	68.2	22.7	m
21	7.3	m	m	m	65.5	10.2	m	27.5	162.5e	63.7	20.9	m
22	7.1	m	m	m	65.3e	m	m	31.5	159.1	68.2	20.6	m
23	6.2	m	m	m	65.1	m	m	m	m	72.7e	19.2e	m
24	6.1	m	m	m	62.4	m	m	m	m	77.5	17.9e	m
25	6.1	m	m	m	62.2e	m	m	65.6	m	83.3	16.7	m
26	6.1	m	m	m	62.0	m	m	46.0	162.6	m	15.6e	m
27	6.1	m	m	m	62.0	9.8	m	43.3	m	m	14.6	m
28	6.1	m	m	m	58.5e	8.8	m	45.9	m	93.5	13.3	m
29	6.1	m	m	m	55.3	8.7e	m	48.5	m	99.8	12.1e	m
30	6.1		m	m	55.3	8.6	m	m	157.8	97.9e	11.0e	m
31	6.1		m		54.9		m	m		96.1		m
Mean	9.5	-	-	-	84.4	-	-	23.2	-	81.9	39.5	-
Maximum	-	-	-	-	-	-	-	-	-	-	92.9	-
Minimum	-	-	-	-	-	-	-	-	-	-	11.0	-
Total	-	-	-	-	-	-	-	-	-	-	102	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	134
Estimated values (Flag e)	:	36
Missing values (Flag m)	:	196

Comments : Data quality unknown, but appears to be reasonable
(rating uncertain and no other stations available for checking)

River Shebelli at Beled Weyn 1953

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	m	m	m	m	m	m	m	m	m
2	m	m	m	m	m	m	m	m	m	m	m	m
3	m	m	m	m	m	m	m	m	m	m	m	m
4	m	m	m	m	m	m	m	m	m	m	m	m
5	m	m	m	m	m	m	m	m	m	m	m	m
6	m	m	m	m	m	m	m	m	m	m	m	m
7	m	m	m	m	m	m	m	m	m	m	m	m
8	m	m	m	m	m	m	m	m	m	m	m	m
9	m	m	m	m	m	m	m	m	m	m	m	m
10	m	m	m	m	m	m	m	m	m	m	m	m
11	m	m	m	m	m	m	m	m	m	m	m	m
12	m	m	m	m	m	m	m	m	m	m	m	m
13	m	m	m	m	m	m	m	m	m	m	m	m
14	m	m	m	m	m	m	m	m	m	m	m	m
15	m	m	m	m	m	m	m	m	m	m	m	m
16	m	m	m	m	m	m	m	m	m	m	m	m
17	m	m	m	m	m	m	m	m	m	m	m	m
18	m	m	m	m	m	m	m	m	m	m	m	m
19	m	m	m	m	m	m	m	m	m	m	m	m
20	m	m	m	m	m	m	m	m	m	m	m	m
21	m	m	m	m	m	m	m	m	m	m	m	m
22	m	m	m	m	m	m	m	m	m	m	m	m
23	m	m	m	m	m	m	m	m	m	m	m	m
24	m	m	m	m	m	m	m	m	m	m	m	m
25	m	m	m	m	m	m	m	m	m	m	m	m
26	m	m	m	m	m	m	m	m	m	m	m	m
27	m	m	m	m	m	m	m	m	m	m	m	m
28	m	m	m	m	m	m	m	m	m	m	m	m
29	m		m	m	m	m	m	m	m	m	m	m
30	m		m	m	m	m	m	m	m	m	m	m
31	m		m		m		m	m		m		m
Mean	-	-	-	-	-	-	-	-	-	-	-	-
Maximum	-	-	-	-	-	-	-	-	-	-	-	-
Minimum	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	0
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	365

Comments : No data available for this year

River Shebelli at Beled Weyn 1954

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	m	148.7	55.3	13.3	m	169.6	213.0	222.8	7.3
2	m	m	m	m	144.5	55.3	9.1	15.3	169.6	213.0	215.8	7.3
3	m	m	m	m	106.0	54.9	7.3	18.4	169.6	213.5	205.2	8.9
4	m	m	m	m	50.4	52.1	6.2	21.1	169.6	216.3	190.1	20.3
5	m	m	m	m	42.9	48.6	6.1	26.6	169.1	217.2	170.5	20.9
6	m	m	m	m	42.9	43.0	m	29.3	166.1	220.0	156.1	20.3
7	m	m	m	m	42.6	37.3	m	29.6	162.6	219.8	145.3	18.8
8	m	m	m	m	40.4	32.4	m	31.3e	159.1	217.0	134.7	19.6
9	m	m	m	m	40.1	29.6	m	33.1e	156.0	223.5	117.9	27.9
10	m	m	m	m	39.4	27.5	m	35.0	155.6	227.5	94.6	41.6
11	m	m	m	m	35.3	26.9	m	37.3	155.6e	228.0	83.3	48.2
12	m	m	m	m	33.7	24.9	m	40.5	155.6	228.0	69.2	48.9
13	m	m	m	25.0	28.1	22.4	m	45.5	155.6	228.0	57.0	55.4
14	m	m	m	108.7	27.8	19.1	m	50.1	157.5e	228.0	55.3	97.6
15	m	m	m	160.0	31.8	18.8	m	60.3	159.5	228.0	54.9	102.6
16	m	m	m	182.0	34.7	20.1	m	68.8e	162.6	228.0	52.1	81.3
17	m	m	m	190.1	37.0	18.1	m	78.4	166.1	227.5	49.3	47.0
18	m	m	m	191.0	39.5	13.6	m	90.4	169.6	224.7	48.2	38.0
19	m	m	m	191.5	52.9	11.7	m	92.9	173.1	224.7	43.0	36.0
20	m	m	m	192.8	57.8	11.5	m	96.6	176.4	227.5	38.0	28.1
21	m	m	m	184.3	75.2	11.5	m	100.4	178.6	228.0	37.3	25.2
22	m	m	m	177.6	86.8	11.3	m	102.0	183.1	229.4	36.7	24.6
23	m	m	m	176.2	88.3	10.2	m	109.7	184.3	236.5	32.7	23.0
24	m	m	m	173.6	88.3	9.9	m	119.5	187.4	228.4	31.8	22.7
25	m	m	m	171.9	87.8	9.6	m	131.6	191.0	226.1	29.6	22.7
26	m	m	m	162.7	82.8	9.9	m	141.5	195.1	253.7	27.2	22.4
27	m	m	m	150.5	70.9	9.5	m	148.7	201.5	258.5	23.9	20.9
28	m	m	m	148.7	67.3	9.4	m	154.7	205.6	258.5	15.0	20.3
29	m		m	148.7	57.0	9.4	m	156.9	209.3	258.5	8.1	18.6
30	m		m	148.7	55.3	10.1	m	165.2	212.5	256.6	7.3	16.5
31	m		m		55.3		m	169.1		242.2		13.6
Mean	-	-	-	-	61.0	24.1	-	80.0	174.2	230.0	81.8	32.5
Maximum	-	-	-	-	148.7	55.3	-	-	212.5	258.5	222.8	102.6
Minimum	-	-	-	-	27.8	9.4	-	-	155.6	213.0	7.3	7.3
Total	-	-	-	-	163	63	-	-	452	616	212	87

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	231
Estimated values (Flag e)	:	5
Missing values (Flag m)	:	129

Comments : Data quality unknown, but generally appears to be reasonable
(rating uncertain and no other stations available for checking)

River Shebelli at Beled Weyn 1955

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	13.1	m	m	m	18.1	29.9	4.1	m	59.0	138.5	97.7	11.5
2	10.6e	m	m	m	19.3	25.0e	4.0e	m	62.0	141.5	91.9	11.1e
3	8.6	m	m	m	23.8	20.9	4.0e	m	65.1	142.3	85.3	10.7e
4	8.5	m	m	m	23.2	22.6	3.9	3.9	67.0e	145.3	80.8e	10.4e
5	8.1	m	m	m	24.6	23.4	m	3.9	69.1	148.3	76.5	10.0
6	7.9	m	m	m	31.8e	20.8	m	3.9e	69.5	148.7	68.4e	10.0
7	7.4	m	m	m	41.0	18.4	m	3.9e	72.7	148.7	61.1	9.5e
8	7.3	m	m	m	64.8	15.3	m	3.9	76.2	148.7	54.5	9.0e
9	7.3	m	m	m	71.9	14.1e	m	5.1e	78.6	148.7	43.7	8.6
10	7.2	m	m	m	89.4	12.9	3.6	6.7e	84.0	148.7	38.0	8.1e
11	6.7	m	m	m	88.4	11.7	m	8.8	88.3	148.7	37.3	7.7e
12	6.1	m	m	m	63.9	11.5	m	10.0	92.4	152.1e	37.3	7.3
13	6.1	m	m	m	49.0	11.3	m	11.3	96.6	155.6	34.6e	7.3e
14	6.1	m	m	m	38.7	10.2	m	11.5	100.4	156.5	32.1	7.3
15	6.1	m	m	m	33.7e	9.4e	m	11.9	105.2e	161.7	30.6e	7.0e
16	6.1	m	m	m	29.3	8.6	m	14.6	110.3	162.6	29.3	6.8e
17	6.1	m	m	m	27.5	8.6	m	16.4	113.7	162.6	27.4	6.5e
18	6.0	m	m	m	26.9	8.5e	m	16.9	116.3e	161.7	25.9	6.3e
19	5.7	m	m	m	26.7	8.4e	m	18.8	118.9	155.6	23.1	6.1
20	5.6	m	m	m	35.7	8.3	m	22.2	118.9	149.2	21.7e	5.8e
21	5.6	m	m	m	37.3	6.4	m	23.2	118.9	145.3	20.3	5.5e
22	5.6	m	m	m	36.0e	6.1	m	27.8	118.9	147.1	18.6	5.2e
23	5.3e	m	m	m	34.7	6.1e	m	36.0	118.9	175.4	16.9	4.9
24	4.9	m	m	m	m	6.1e	m	37.7	119.5	m	16.4	4.7e
25	4.9	m	m	m	m	6.1	m	40.1	123.6	m	15.1	4.4e
26	4.9	m	m	m	m	5.5e	m	46.1	127.8	174.5	14.9	4.2e
27	m	m	m	m	32.1	4.9	m	68.8	128.9	140.5	14.0e	3.9
28	m	m	m	m	32.4	4.9	m	60.1e	131.8	138.8	13.1	3.9
29	m		m	m	34.3	4.9	m	52.5	134.7	161.2	12.9	3.9
30	m		m	15.3	33.0e	4.8	m	55.3	135.6	121.5	11.7	3.9e
31	m		m		31.8		m	58.2		108.6		3.9e
Mean	6.8	-	-	-	39.3	11.8	-	24.3	100.8	149.6	38.4	6.9
Maximum	-	-	-	-	-	29.9	-	-	135.6	-	97.7	11.5
Minimum	-	-	-	-	-	4.8	-	-	59.0	-	11.7	3.9
Total	-	-	-	-	-	31	-	-	261	-	99	19

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	187
Estimated values (Flag e)	:	51
Missing values (Flag m)	:	127

Comments : Data quality unknown, but generally appears to be reasonable
(rating uncertain and no other stations available for checking)

River Shebelli at Beled Weyn 1956

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	m	206.6	58.6	11.1	75.9e	132.3	128.0e	274.1	56.1
2	m	m	m	m	226.1	58.6	8.9	92.9	137.2e	118.2e	276.1	54.5
3	m	m	m	m	239.4	55.8	8.6	96.1	142.3	109.2	289.9	49.0
4	m	m	m	m	271.2	39.8	8.4	96.6	145.3	105.3	304.9	43.3
5	m	m	m	m	285.9	37.3	7.4	96.6	148.7	101.4	313.9	40.1
6	m	m	m	m	276.1	37.3	7.3	97.1	152.6	100.9	321.5	37.7
7	m	m	m	m	274.1	37.3	7.3	100.9	158.2	101.2e	325.6	34.8e
8	m	m	m	m	274.1	37.3	7.4	104.7	163.3e	101.4	326.6	32.1
9	m	m	m	m	285.5	37.3	8.4	105.3	168.6e	105.3	329.7	32.1
10	m	m	m	m	356.0	36.3	8.6	104.7	174.0	110.3	330.2	31.8
11	m	m	m	m	375.0	30.2	8.6	101.4	179.8	117.7	329.7	29.9
12	m	m	m	m	377.8	27.2	8.6	100.9	183.4	127.7e	326.1	29.3
13	m	m	m	m	376.3	24.9	8.6	100.9	184.3	138.5	322.0	27.5
14	m	m	m	m	371.8	23.0	8.6	100.9	187.0	145.6e	317.0	26.8
15	m	m	m	m	363.7	22.4	8.6	100.9	187.4	153.0	305.4	24.8
16	m	m	m	m	357.0	20.9	10.6	100.9	189.2e	160.0	288.9	24.5
17	m	m	m	m	348.2	18.6e	25.2	100.9	191.0	171.4	269.2	24.6
18	m	m	m	m	336.0	16.7	31.5	100.9	191.5	177.5e	255.8	22.7
19	m	m	m	m	313.4	16.4	32.1	100.9	194.2	183.8	192.6	20.9
20	m	m	m	m	246.7e	15.1	32.1	100.4	194.6	185.7e	173.1	20.6
21	m	m	m	m	194.2	14.9	32.7	97.1	194.6	187.7e	163.0	20.6
22	m	m	m	m	170.1	14.9	36.7	96.6	194.6	189.7	153.9	20.3
23	m	m	m	21.7	157.7e	14.9	37.7	96.6	189.2e	204.3	137.7	18.8
24	m	m	m	17.7	146.2	14.6	40.1	97.1	183.8	212.6	124.5e	18.6
25	m	m	m	33.2	126.8	13.3	42.6	100.6	182.9	217.2	112.6	17.6e
26	m	m	m	65.6	100.5	13.1	44.4	102.7	176.7	223.3	99.4	16.7
27	m	m	m	123.6	90.6	12.9	53.7	104.9	169.1	224.2	79.4	16.7
28	m	m	m	158.2	58.0	11.5	55.3	105.8	159.1	226.1	75.6	16.7
29	m	m	m	166.1	57.4	10.2	56.1	109.2	150.0	238.4	69.1	16.7
30	m		m	189.2	55.7	10.7e	61.1	109.7	138.6e	246.0	62.0	16.4
31	m		m		57.1e		62.0	113.2		259.7e		15.1
Mean	-	-	-	-	237.9	26.1	25.2	100.4	171.4	163.6	231.6	27.6
Maximum	-	-	-	-	377.8	58.6	62.0	113.2	194.6	259.7	330.2	56.1
Minimum	-	-	-	-	55.7	10.2	7.3	75.9	132.3	100.9	62.0	15.1
Total	-	-	-	-	637	68	67	269	444	438	600	74

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	229
Estimated values (Flag e)	:	24
Missing values (Flag m)	:	113

Comments : Data quality unknown, but appears to be reasonable
(rating uncertain and no other stations available for checking)

River Shebelli at Beled Weyn 1957

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	14.9	8.6	m	58.2	m	134.1e	47.4	74.6e	201.5	92.4	56.1	18.6
2	14.9	8.6	m	52.1	m	128.6	38.4	72.7	197.8	85.3	61.1	18.6
3	14.9	8.6	m	45.9	m	107.0	35.0	73.0e	191.0	83.8	67.2e	24.0
4	14.9	8.6	m	40.5	m	93.0	34.7	73.2	183.8	80.8	63.8	60.9
5	14.9	8.6	m	37.0	164.3	84.3	34.7	77.5	177.6	79.9e	76.6	62.9
6	14.9	8.3	m	32.7	176.2	78.4	34.7e	86.8	174.0	78.9e	90.4	61.1
7	14.6	6.4	m	30.6	187.0	83.3	34.7	88.8	158.2	78.0	99.0e	56.1
8	13.3	6.1	m	22.2	194.7	81.3e	33.4e	93.5	153.9	63.4	96.6e	55.3e
9	13.1	m	m	22.2	201.5	79.4	32.2e	103.1	143.6	56.1	94.3e	54.5
10	13.1	m	m	20.6	206.1	98.8	31.0e	101.4	140.6	55.3	92.1	47.9
11	13.1	m	m	18.8	212.1	108.6	29.9	102.0	132.7	55.3	65.3	36.4
12	13.1	m	m	18.8	216.7	118.1e	31.8	108.6	128.9	55.3	56.1	36.7
13	12.9	m	m	20.3	239.3	128.4	31.9e	113.6e	128.4	52.9	55.7	50.2
14	11.7	m	m	21.7	243.1	128.4	32.1	118.9	128.4	39.5	58.2	54.9
15	11.6e	m	m	29.4	245.0	138.6e	32.1	121.3	127.8	37.0	59.0	55.3
16	11.6e	m	m	37.0	256.6	149.6	32.9e	133.5	124.2	34.7	61.6	55.3
17	11.5	m	m	42.6	260.5	156.0	33.7	136.0e	123.6	32.4	56.2e	54.5
18	11.5	m	m	45.9	272.1	164.7	44.1	138.6	123.0	31.5	51.3	49.7
19	11.5	m	m	48.9	277.1	164.5e	45.9	159.5	119.5	27.8	45.6	47.4
20	11.3	m	6.9	51.7	295.9	164.3	47.1e	166.1	118.9	26.1	37.7	38.7
21	10.2	m	12.4	m	303.9	153.9	48.2	169.6	118.6e	19.6	33.4	36.4e
22	10.0	m	14.6	155.6	298.9	146.0e	62.9	172.7	118.3	26.1e	35.7	34.2e
23	10.0	m	22.0e	151.3	296.9	138.5	65.5	174.4	114.8	34.7	30.5	32.1
24	10.0	m	33.0	123.8	290.9	109.6	65.5	182.9	113.7	33.7	29.3	28.2e
25	10.0	m	39.1	112.3	280.1e	78.6	65.5	187.0	110.3	28.1	27.2	24.9e
26	9.3e	m	40.8	75.8	269.8	81.3	66.8	187.9	109.7	27.9e	24.6	21.9
27	8.6	m	45.9	75.6	216.4	74.2	75.1	191.0	109.7	27.8	21.4	17.4
28	8.6	m	51.3	77.0	181.2	66.3e	76.5	194.7	109.2e	32.4	21.9	16.2e
29	8.6		55.0e	81.3	163.4e	59.3e	76.5	197.8	108.6	40.5	19.1	15.1
30	8.6		59.0	90.9	147.4	53.0e	76.5	198.7	100.9	50.9	18.8e	16.4
31	8.6		61.1		139.8		76.5	201.5		54.9		16.0e
Mean	11.8	-	-	56.6	231.0	111.7	47.5	135.5	136.4	49.1	53.5	38.6
Maximum	14.9	-	-	-	-	164.7	76.5	201.5	201.5	92.4	99.0	62.9
Minimum	8.6	-	-	-	-	53.0	29.9	72.7	100.9	19.6	18.8	15.1
Total	32	-	-	-	-	289	127	363	353	132	139	103

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	275
Estimated values (Flag e)	:	46
Missing values (Flag m)	:	44

Comments : Data quality unknown, but generally appears to be reasonable
(rating uncertain and no other stations available for checking)

River Shebelli at Beled Weyn 1958

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	11.5	9.2e	53.3e	7.3	84.3	11.8e	9.1	42.4e	182.9	204.2	m	m
2	11.5	10.0	62.0	7.3	86.3	11.5	8.6	48.9	184.3	206.5	m	m
3	11.5	10.0	75.9e	7.3	98.8	11.5	8.6e	52.2	187.0	212.1	m	m
4	11.5e	10.0	92.9	7.3	100.9	11.4e	8.6	74.8	187.4	213.0	m	m
5	11.5e	10.0	96.1	m	100.9	11.3	8.6e	90.4	187.4	213.5	m	m
6	11.5	10.0	96.6	m	102.0	10.2	8.6	94.5	187.4	216.3	m	m
7	11.1	9.8e	95.0	m	108.6	10.1e	8.6	109.8	187.4	216.5e	m	m
8	8.9	9.6e	86.3	m	109.7	10.0	8.6	128.6	187.4	216.7	m	m
9	8.6	9.5	87.8	m	109.7	10.0	8.6	146.2	187.9	215.8	m	m
10	8.6	6.5	83.0	m	109.2e	9.6	8.6	151.3	190.6	210.2	m	m
11	8.5e	6.1	52.8	m	108.6	7.6	8.6	167.0	190.1	209.8e	m	m
12	8.4	6.1	43.0	m	100.9	7.3	8.6e	169.1	184.7	209.3	m	m
13	7.4	6.1	38.0	m	93.5	7.3	8.6	166.5	183.8e	205.6e	m	m
14	7.3	6.1	37.3	m	91.9e	7.3e	9.3	166.1	182.9	202.0	m	m
15	7.3	7.0e	36.3e	m	90.4	7.3	14.0	161.7	177.6	201.8e	m	m
16	7.3	8.0	35.4	m	77.0	7.3	m	136.0	176.7	201.6e	m	m
17	7.3	22.2	24.4	m	63.5	7.3	m	136.9	176.7	201.5	m	m
18	7.3e	24.1	23.1e	m	43.1	7.1	m	167.9	176.7	198.7	m	m
19	7.3	19.3	21.9	m	39.4	6.4	11.5	164.0	180.2e	m	m	m
20	7.3	18.6	17.4	m	34.1	7.1	11.5e	103.5	183.8	m	m	m
21	7.3	18.6	16.7	m	25.5	7.0	11.5e	92.4	185.6e	m	m	m
22	7.3	19.1e	16.7e	m	21.1	7.8e	11.5	92.4	187.4	m	m	m
23	7.3e	19.6	16.7	9.6	19.8e	8.5	11.5	92.4e	187.4	m	m	m
24	7.3	27.3	16.0	28.3	18.6	16.3	11.5	92.4	187.4	m	m	m
25	7.3e	36.4	12.1	43.7	18.6	13.8	13.1e	100.2	187.4	m	m	m
26	7.3	40.5	11.5	47.8	18.6	13.1	14.9	142.4	185.6e	m	m	m
27	7.3	45.2	11.5	60.3	18.6	13.0e	19.2e	145.6e	183.8	m	m	m
28	7.3e	45.9	11.5	65.1	18.6	12.8e	24.9	148.7	185.2	m	m	m
29	7.3		11.2e	74.0e	17.6	12.7e	25.8	152.2	193.3	m	m	m
30	7.9e		11.0	84.3	12.4	12.5	31.8	173.1	196.0	m	m	m
31	8.5e		7.8		12.1e		36.7	177.6		m		m
Mean	8.5	16.8	42.0	-	63.0	9.9	13.2	125.4	185.4	-	-	-
Maximum	11.5	45.9	96.6	-	109.7	16.3	-	177.6	196.0	-	-	-
Minimum	7.3	6.1	7.8	-	12.1	6.4	-	42.4	176.7	-	-	-
Total	23	41	112	-	169	26	-	336	481	-	-	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	218
Estimated values (Flag e)	:	52
Missing values (Flag m)	:	95

Comments : Data quality unknown, but appears to be somewhat doubtful
(rating uncertain and no other stations available for checking)

River Shebelli at Beled Weyn 1959

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	7.3	m	m	m	55.3	14.9	42.2	61.2	187.0	141.5e	31.8
2	10.0	7.3	m	m	m	48.3e	14.4	49.0e	69.1	183.8	141.9	30.5
3	10.0	7.3	6.1	m	14.9	42.2	11.9	57.0	77.5	180.7	141.1	33.4
4	9.8	7.3	6.1	m	14.9	37.3	11.5	68.2	91.4	178.7e	136.0	30.5
5	8.8	7.3	m	m	19.3e	32.7	11.5	75.6	99.8	176.7	135.2	31.8
6	8.6	7.3e	m	m	25.1e	29.5e	11.5	78.4	105.2e	175.8	141.4e	31.9e
7	8.6	7.3	m	m	32.7	26.6	11.5	90.4	110.9	170.0	147.9	32.1
8	8.6e	7.3	m	m	44.6	23.2	11.5	92.4	120.1	166.1	147.5	31.8
9	8.6	7.1	m	m	99.6	22.2	11.5	m	135.2	162.1	176.7	29.6
10	8.6	6.2	m	m	108.8e	19.1	11.5	100.9	147.9	156.5	190.6	27.2
11	8.6e	6.1e	m	m	118.9	18.6	11.5e	100.9	155.6	146.5e	198.3	24.9
12	8.6	6.1	m	m	118.9	18.1	11.5	100.9	161.7	137.2e	205.2	23.0
13	8.6	6.1e	m	m	118.9	15.3	9.9e	101.8	169.0e	128.4	208.4	22.8e
14	8.6	6.1	m	m	m	14.9	8.6	107.0	176.7	116.3e	206.1	22.7
15	8.6	m	m	m	67.3	14.9	8.6	m	176.7	105.3	200.5e	22.4
16	8.6	m	m	m	57.0	14.9	8.6	m	184.1e	104.0e	195.0e	20.9
17	8.6	m	m	m	49.5e	15.7e	8.6	91.4	191.9	102.8e	189.7	20.3
18	8.6e	m	m	m	42.9	16.6e	8.6	85.3	197.4	101.6e	157.9	18.8
19	8.6	8.6	m	m	42.9	17.6e	10.3e	83.3	198.3	100.4	136.0	18.2e
20	8.6	m	m	m	46.0	18.6	12.4e	76.5	198.3e	97.1	121.3	17.6e
21	8.4	m	m	m	67.5	18.6	14.9	70.0	198.3	99.3e	m	17.0e
22	7.4	m	m	m	84.4	18.6	15.3	69.1	198.7	101.4	m	16.4
23	7.3	m	m	m	98.8	18.1	17.6	m	201.5	104.7	m	15.1
24	7.3	8.6	m	m	115.4e	15.3	15.3	55.3	202.0	109.6e	38.0	14.9
25	7.3	8.6	m	m	134.7	14.9	14.9	54.5	202.0	114.7e	41.2	13.4e
26	7.3e	8.6	m	m	134.3	14.9	14.0e	49.7	202.0	120.1	35.3	12.1e
27	7.3	8.6	m	m	143.2	14.9	13.1e	48.9	196.4e	127.2	32.4	11.0e
28	7.3	8.6	m	m	123.0	14.9e	12.4	47.4	191.0	128.4	32.2e	9.9e
29	7.3		m	m	115.5	14.9	18.7	38.7	190.6	129.3	32.1	8.9
30	7.3		m	m	95.6	14.9	27.3	m	187.9	135.2	32.1	11.1
31	7.3e		m		72.7e		36.7	50.5		141.1		m
Mean	8.3	-	-	-	78.8	22.0	13.6	72.5	159.9	135.1	131.9	21.7
Maximum	-	-	-	-	-	55.3	36.7	-	202.0	187.0	-	-
Minimum	-	-	-	-	-	14.9	8.6	-	61.2	97.1	-	-
Total	-	-	-	-	-	57	36	-	415	362	-	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	229
Estimated values (Flag e)	:	56
Missing values (Flag m)	:	80

Comments : Data quality unknown, but appears to be somewhat doubtful
(rating uncertain and no other stations available for checking)

River Shebelli at Beled Weyn 1960

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	m	m	m	12.8	31.2	80.7	17.0	19.4	63.7	136.0	92.9	14.2
2	m	m	m	12.8	35.1	79.9	16.8	19.4	64.8	138.5	98.8	14.1e
3	m	m	m	12.8	35.1	76.5	15.1	19.6	69.4	135.2	93.5	14.0
4	m	m	m	12.8	31.2	72.5	14.9	21.4	72.7	131.8	74.8e	13.3
5	m	m	m	12.8	30.6	66.6	14.9	23.3	75.9	128.6	59.9	13.1
6	m	m	m	12.8	30.6	58.5	14.9	23.8	80.2	126.7	64.7	13.2
7	m	m	m	13.1	30.6	50.7	14.6	25.8	83.5	122.2e	48.3	13.7
8	m	m	m	14.6	32.3	49.2	13.1	27.7	86.7	117.7	43.0	13.8
9	m	m	m	15.1	43.7	46.8	12.8	29.5	89.5	110.3	40.1	13.1e
10	m	m	m	16.8	47.7	42.7	12.8	31.2	90.3	105.3	37.7	12.4
11	m	m	m	17.3	49.9	39.8	12.8	33.5	92.8	101.4	33.2e	11.6
12	m	m	m	19.3	51.2	36.0	12.8	35.7	93.2	99.0e	29.3	11.4
13	m	m	m	21.4	57.9	33.5	12.8	37.6	93.2	96.6	27.5	11.0
14	m	m	m	23.0	61.4	31.2	12.8	38.1	93.2	93.7e	27.1	10.5e
15	m	m	m	21.7	65.0	29.5	13.1	40.1	93.2	90.9	25.9	10.0
16	m	m	m	21.7	69.9	27.9	14.9	42.1	92.8	81.0	23.1	10.0e
17	m	m	m	23.3	75.0	27.4	16.8	42.4	90.3	74.2	22.7	9.9
18	m	m	m	23.6	76.3	26.0	17.3	42.1	89.5	71.5	26.9e	13.1
19	m	m	m	24.1	79.8	25.5	19.1	40.4	87.1	62.5	31.8	14.7
20	m	m	m	27.1	80.7	23.8	19.4	39.5	86.7	56.1	36.2	14.3e
21	m	m	m	27.1	83.5	23.6	19.6	36.2	86.7	52.4e	34.0	14.0
22	m	m	m	24.1	86.3	23.3	21.2	36.0	86.7	48.9	27.5	13.3
23	m	m	m	23.4	86.3	21.7	21.7	37.6	86.7	48.9	22.7	12.4e
24	m	m	m	19.9	83.9	21.2	23.3	37.9	87.1	52.3e	19.1	11.5
25	m	m	m	19.1	83.5	19.3	23.3	38.4	89.5	55.9	17.8e	11.5
26	m	m	m	17.6	83.5	17.3	21.7	42.1	90.3	57.9	16.7	11.4
27	m	m	m	19.3	83.5	17.0	21.4	45.0	92.8	50.3	16.4	10.9
28	m	m	m	21.5	83.5	17.0	21.2	49.3	93.3	62.4e	15.1	10.1
29	m	m	m	24.5	83.5	17.0	19.6	52.1	94.0	77.5	14.9	10.0
30	m		m	29.7	83.5	17.0	19.4	55.6	100.5	83.8	14.8	9.6e
31	m		m		83.1		19.4	60.9		88.3		9.1
Mean	-	-	-	19.5	62.5	37.3	17.1	36.2	86.6	89.0	37.9	12.1
Maximum	-	-	-	29.7	86.3	80.7	23.3	60.9	100.5	138.5	98.8	14.7
Minimum	-	-	-	12.8	30.6	17.0	12.8	19.4	63.7	48.9	14.8	9.1
Total	-	-	-	51	168	97	46	97	224	238	98	32

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	258
Estimated values (Flag e)	:	17
Missing values (Flag m)	:	91

Comments : Data quality unknown, but generally appears to be reasonable
(rating uncertain and no other stations available for checking)

River Shebelli at Beled Weyn 1961

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.6	5.4	m	m	m	37.1	m	80.4	209.8	139.7	294.4	294.4
2	8.6e	m	m	m	10.2	30.2e	m	82.9	216.3	147.4	286.6e	298.4
3	8.6	m	m	m	11.9	24.6	m	94.6	220.5	151.5e	279.1	305.4
4	8.6	m	m	m	16.0	22.7	m	98.1e	224.2	155.7e	270.5	309.4
5	8.6	18.6	m	m	19.2e	20.6	m	101.7e	227.5	160.1	260.9	310.1
6	8.8e	m	m	m	23.0	18.8	m	105.4e	233.6e	163.1	243.4	311.3
7	9.1	m	m	m	24.6	m	m	109.3	239.8	169.1	225.4	319.9e
8	12.5	m	m	m	27.1e	m	m	105.9	243.8	173.1	205.0	328.7
9	14.8	m	m	m	29.9	m	m	104.9	251.2	176.2	174.6e	349.3
10	16.5	m	m	m	31.8	m	m	124.9	253.7	179.8e	148.7e	384.3
11	17.2	m	m	m	34.0e	m	m	121.9e	261.7	183.5e	126.6	395.9
12	16.4	m	m	m	36.5e	m	m	118.9	262.5	187.2	116.0	m
13	15.0e	m	m	m	39.1	m	m	121.5e	262.5e	209.6	140.4e	m
14	13.7e	m	m	m	50.5	6.1	m	124.2	262.4e	222.6	170.0	m
15	12.5	m	m	m	54.5	m	m	127.8	262.4	236.7e	172.7	m
16	11.6e	m	m	m	52.9	m	m	125.7e	261.9	251.8	191.8e	376.9
17	10.8e	m	m	m	54.9	m	m	123.6	257.8	257.5	213.0	358.0
18	10.0e	m	m	m	49.9e	m	m	121.8e	249.6	264.5e	221.0e	350.2e
19	9.3e	m	m	m	45.3e	m	m	120.1	243.9	271.7	229.4	342.5
20	8.7e	m	m	m	41.2	m	m	128.1	222.3e	280.5	238.8	323.7e
21	8.0	m	m	m	66.6	m	m	134.7	202.6e	287.4e	246.0	305.9
22	8.0	m	m	m	73.7	m	m	138.1	184.7	294.6e	250.1e	260.5e
23	7.9	m	m	m	69.8	m	m	153.2e	189.9	301.9	254.3e	221.9
24	7.3	m	m	m	70.0	m	m	170.0	189.5	301.9	258.5	181.3
25	7.0	m	m	m	75.6	m	m	173.6	186.8	302.3e	266.4e	144.9
26	6.6	m	m	m	m	m	m	179.8	181.1	302.7	274.6	128.3
27	7.4e	m	m	m	m	m	m	184.3	164.4e	303.1	277.5	112.1
28	8.3	m	m	m	40.6	m	m	191.0	149.2	305.0	279.3	86.7
29	6.3		m	m	60.0	m	m	197.4	150.4	301.9	287.0	74.0
30	5.7		m	m	54.1	m	m	201.7e	142.7	298.4	290.7e	59.4
31	5.6		m		52.2		m	206.1		297.4		50.1
Mean	9.9	-	-	-	43.4	-	-	134.6	220.3	234.8	229.8	258.6
Maximum	17.2	-	-	-	-	-	-	206.1	262.5	305.0	294.4	-
Minimum	5.6	-	-	-	-	-	-	80.4	142.7	139.7	116.0	-
Total	27	-	-	-	-	-	-	360	571	629	596	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	162
Estimated values (Flag e)	:	55
Missing values (Flag m)	:	148

Comments : Data appears to be of doubtful quality
(rating uncertain and no other stations available for checking)

River Shebelli at Beled Weyn 1962

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	41.9	6.1	m	m	m	54.5	m	m	72.7	77.9	m	m
2	35.3	5.8e	m	m	14.9	m	m	m	76.4e	79.4	m	m
3	32.4	5.5e	m	4.9	m	m	m	m	80.3	76.8	m	m
4	28.9e	m	m	5.5e	m	m	m	m	m	75.2	m	m
5	25.8e	4.9	m	6.1	29.9	m	m	m	m	73.7e	m	m
6	23.0e	4.9	m	6.6e	35.2	m	m	m	m	72.3	m	m
7	20.5e	4.9	m	7.1	58.0	18.6	m	m	m	69.1	m	m
8	18.3	4.9	m	6.2	60.0e	m	m	18.6	m	65.9	m	m
9	16.7	4.9	m	6.1e	62.0	m	m	m	78.9	65.5	m	m
10	14.9	4.7e	m	6.1	m	m	m	m	70.3	63.7e	m	m
11	13.3	4.4e	m	6.1e	m	m	m	m	67.5	62.0	m	m
12	12.7e	4.2e	m	6.1	29.6	m	m	m	65.8	63.8e	m	m
13	12.1e	3.9	m	m	m	m	m	m	63.3e	65.8	m	m
14	11.5	3.9	m	m	m	m	m	m	60.9e	67.5	m	m
15	11.5	m	m	m	m	6.1	m	20.6	58.6	68.9	m	m
16	10.7e	m	m	m	m	5.5e	m	m	58.2	73.5e	m	m
17	10.0	m	m	3.9	m	4.9	m	m	55.7	78.4	m	m
18	10.0	m	m	3.9	m	4.9	m	m	55.3	90.4	m	m
19	8.9e	m	m	3.9	62.0	m	m	m	55.3	97.8e	m	m
20	7.9	m	m	m	70.8e	m	m	26.3	59.8e	105.8	m	m
21	7.4	m	m	m	80.8	m	m	m	64.6e	109.2	m	m
22	7.3	m	m	m	83.8	m	m	m	69.8	m	m	m
23	7.3	m	m	29.9	84.8	4.9	m	m	74.4	m	m	m
24	7.3e	m	m	31.8	87.8	m	m	m	76.8	m	m	m
25	7.3	m	m	m	88.0e	m	m	m	80.2	m	m	m
26	6.6e	m	m	18.6	88.1e	m	m	46.7	82.6	m	m	m
27	6.1	m	m	m	88.3	m	m	51.3	84.1	m	m	m
28	6.1	m	m	m	87.3	m	m	55.6e	84.2e	m	m	m
29	6.1e		m	m	80.8	m	m	60.4e	84.3	m	m	m
30	6.1		m	m	76.5	m	m	65.5	83.3	m	m	m
31	6.1e		m		70.5		m	69.0e		m		m
Mean	14.2	-	-	-	-	-	-	-	70.5	-	-	-
Maximum	41.9	-	-	-	-	-	-	-	-	-	-	-
Minimum	6.1	-	-	-	-	-	-	-	-	-	-	-
Total	38	-	-	-	-	-	-	-	-	-	-	-

(Total flows in million cubic metres per month)

Annual statistics

Insufficient data for annual statistics

Data availability

Original values	:	102
Estimated values (Flag e)	:	40
Missing values (Flag m)	:	223

Comments : Original data intermittent and appears to be somewhat doubtful
(rating uncertain and no other stations available for checking)

River Shebelli at Beled Weyn 1963

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	28.6e	22.1e	17.2e	15.4e	217.2	348.1	42.6	74.1	159.9	119.3	49.6	78.8
2	28.2e	21.9e	17.1e	15.3e	231.3	350.7	41.6	76.8	164.6	111.0	46.9	79.8
3	27.8e	21.5e	16.9e	15.3e	241.9	346.9	41.0	80.1	170.0	105.5	44.8	79.2
4	27.4e	21.2e	16.8e	15.6e	251.9	325.3	42.0	82.6	174.3	101.5	43.3	77.4
5	26.9e	21.0e	16.7e	15.7e	259.7	277.5	42.2	85.0	176.5	98.6	41.6	77.0
6	26.5e	20.8e	16.6e	15.6e	266.6	235.5	45.1	87.8	176.7	98.4	41.5	77.7
7	26.1e	20.5e	16.9e	15.4e	275.5	162.1	44.8	90.2	178.7	101.3	41.8	80.1
8	25.6e	20.3e	17.9e	15.3e	294.0	128.2	44.8	92.7	181.3	106.7	41.3	82.7
9	25.2e	20.1e	19.2e	15.4e	304.6	102.2	51.0	95.3	184.3	110.9	39.9	84.8
10	24.8e	19.9e	18.9e	15.7e	315.4	91.7	52.4	99.1	186.3	117.9	39.1	83.6
11	24.4e	19.7e	18.3e	15.9e	324.5	91.4	51.8	103.3	189.4	127.0	37.2	81.0
12	24.1e	19.6e	17.9e	16.1e	330.4	84.5	50.8	107.7	192.0	133.0	36.4	81.2
13	23.7e	19.5e	17.6e	20.3e	335.2	72.3	51.0	111.7	194.5	136.6	37.8	79.6
14	23.4e	19.4e	17.3e	28.1e	337.7	69.4	48.3	118.8	196.9	138.7	41.1	77.6
15	23.6e	19.3e	17.1e	29.0e	339.8	66.9	46.5	125.7	200.1	139.8	44.5	78.7
16	23.8e	19.2e	17.0e	20.6e	340.0	64.5	48.0	129.8	201.9	139.2	46.6	81.0
17	23.4e	19.2e	16.9e	18.6e	340.0	61.4	49.2	132.9	205.1	137.1	46.2	84.3
18	23.3e	19.1e	16.6e	25.4e	340.1	58.1	52.5	134.4	207.0	131.7	44.5	94.9
19	23.5e	19.0e	16.3e	38.2e	340.8	55.0	53.3	134.5	208.1	124.6	42.0	93.7
20	23.4e	19.0e	16.1e	48.8e	339.1	52.8	54.6	133.6	209.3	114.4	41.4	91.6
21	23.1e	19.0e	16.2e	53.6e	331.4	48.9	55.2	132.2	209.2	104.0	45.6	88.4
22	22.8e	18.9e	16.5e	64.8e	324.4	46.8	57.0	130.0	206.8	99.4	50.3	84.8
23	22.5e	18.7e	16.6e	76.5	321.1	45.2	63.5	129.8	198.2	86.9	55.8	80.1
24	22.5e	18.4e	16.8e	99.5	322.9	41.7	65.4	129.3	188.6	79.2	64.1	75.2
25	22.6e	18.1e	16.8e	121.5	330.2	38.1	62.6	129.8	175.7	76.4	63.9	71.4
26	22.8e	17.8e	16.5e	144.1	336.5	38.6	67.5	132.9e	162.8	71.6	71.0	66.8
27	22.7e	17.6e	16.3e	169.2	342.1	38.8	68.8	136.7e	152.3	66.5	73.4	61.6
28	22.5e	17.4e	16.2e	184.4	346.0	42.3	68.0	140.0e	143.6	62.2	76.0	56.8
29	22.5e		16.1e	193.9	349.4	43.6	73.7	143.8e	135.3	58.2	77.2	52.2
30	22.3e		15.9e	203.5	351.4	43.0	73.5	147.3e	128.3	54.4	78.0	47.9
31	22.1e		15.6e		351.4		72.5	150.6		51.8		36.6
Mean	24.3	19.6	16.9	57.6	314.0	115.7	54.2	116.1	181.9	103.4	50.1	76.3
Maximum	28.6	22.1	19.2	203.5	351.4	350.7	73.7	150.6	209.3	139.8	78.0	94.9
Minimum	22.1	17.4	15.6	15.3	217.2	38.1	41.0	74.1	128.3	51.8	36.4	36.6
Total	65	47	45	149	841	300	145	311	472	277	130	204

(Total flows in million cubic metres per month)

Annual statistics

Mean : 94.7 (cubic metres per second)
Maximum : 351.4 (cubic metres per second)
Minimum : 15.3 (cubic metres per second)
Total : 2987 (million cubic metres)

Comments :

Data availability

Original values : 248
Estimated values (Flag e) : 117
Missing values (Flag m) : 0

River Shebelli at Beled Weyn 1964

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	42.5	24.3	11.2	5.7	54.0	19.8	20.8	61.3	213.0	223.8	219.8	24.1
2	40.9	23.4	11.2	5.6	50.8	19.2	21.2	60.2	215.1	226.3	224.0	24.3
3	40.1	22.5	11.1	5.6	50.6	18.0	23.7	57.5	215.2	226.5	226.2	25.9
4	39.3	21.7	10.9	5.6	47.7	16.9	27.0	57.5	213.6	226.5	224.5	25.8
5	39.0	21.0	10.6	5.5	46.0	16.3	28.5	61.0	206.5	226.3	217.4	24.2
6	38.5	20.4	10.3	5.3	45.8	16.0	27.7	63.7	187.5	222.7	207.8	24.0
7	38.2	19.8	10.0	5.2	42.3	15.7	26.3	67.5	175.8	220.1	186.0	23.1
8	35.8	19.2	9.7	5.2	41.5	15.1	24.9	71.8	163.8	215.2	151.4	21.7
9	36.6	18.6	9.4	5.2	41.3	14.8	24.2	76.3	157.9	206.3	120.9	21.6
10	39.4	17.8	9.3	5.3	37.0	14.5	23.1	81.0	155.8	192.0	98.3	20.2
11	42.9	17.4	9.0	7.0	37.3	14.2	22.5	86.0	156.9	177.4	84.3	19.0
12	42.1	16.8	8.8	13.6	34.4	15.4	22.5	89.8	157.7	160.5	78.3	17.4
13	40.9	16.5	8.5	34.4	32.4	18.7	25.4	94.0	157.8	149.3	72.6	17.9
14	34.9	16.1	8.2	40.7	30.4	23.1	28.8	98.5	158.3	136.7	66.3	17.8
15	37.1	15.6	7.9	43.3	26.8	24.6	29.7	102.5	157.6	130.8	61.7	18.0
16	38.4	15.2	7.8	41.1	23.9	24.9	29.0	110.5	156.4	129.4	56.3	18.0
17	38.4	14.7	7.8	38.4	23.0	24.4	28.7	119.5	156.9	129.8	52.2	18.3
18	38.9	13.9	7.5	37.9	22.3	22.8	30.3	131.4	159.1	130.1	48.7	18.7
19	38.4	13.8	7.2	36.9	22.2	21.1	34.7	139.4	163.1	139.3	44.8	18.5
20	37.6	13.5	7.0	32.9	21.9	20.3	39.0	146.7	165.4	147.9	41.9	17.7
21	36.6	13.2	6.9	31.0	21.8	20.0	44.1	156.6	170.9	153.3	39.1	19.2
22	35.2	13.0	6.8	32.4	22.5	19.8	44.7	163.7	180.0	160.2	36.4	19.6
23	33.2	12.7	6.7	24.3	24.0	20.5	45.6	170.8	185.9	167.0	33.8	19.0
24	32.6	12.3	6.5	22.6	25.4	21.0	47.5	180.0	192.1	170.4	32.6	18.1
25	31.3	12.0	6.3	22.3	25.5	21.8	49.4	185.8	197.8	180.0	31.2	18.8
26	29.9	11.7	5.9	25.3	23.9	22.8	53.6	189.4	205.5	185.8	29.7	27.1
27	28.9	11.5	6.1	34.4	22.4	22.1	57.1	193.9	212.3	189.7	28.6	36.6
28	27.9	11.5	6.1	42.6	21.6	21.3	60.1	198.4	215.3	194.8	27.3	41.6
29	27.0	11.5	5.9	51.5	20.7	20.8	62.5	200.7	218.7	201.7	26.7	49.9
30	26.1		5.8	54.3	20.0	20.8	62.7	204.9	221.7	209.3	25.0	55.6
31	25.2		5.8		19.4e		62.1	208.3		215.1		61.9
Mean	35.9	16.3	8.1	24.0	31.6	19.6	36.4	123.5	183.1	182.1	93.1	25.3
Maximum	42.9	24.3	11.2	54.3	54.0	24.9	62.7	208.3	221.7	226.5	226.2	61.9
Minimum	25.2	11.5	5.8	5.2	19.4	14.2	20.8	57.5	155.8	129.4	25.0	17.4
Total	96	41	22	62	85	51	97	331	475	488	241	68

(Total flows in million cubic metres per month)

Annual statistics

Mean : 65.0 (cubic metres per second)
Maximum : 226.5 (cubic metres per second)
Minimum : 5.2 (cubic metres per second)
Total : 2056 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 1
Missing values (Flag m) : 0

Comments : An almost total failure of the Gu flood

River Shebelli at Beled Weyn 1965

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	69.9	18.0	7.5e	4.5e	53.6	12.8e	6.7e	3.4	67.9	48.9	225.5	80.0
2	76.5	17.2	7.1e	4.4e	59.9	12.2e	6.5e	3.2	66.5	48.6	226.1	66.2
3	82.8	15.4	6.9e	4.4e	65.8	11.4e	6.3e	3.9	62.0	46.8	219.2	55.2
4	85.0	15.1	6.9e	4.4e	72.6	13.4e	6.4e	13.6	58.9	43.8	204.2	49.8
5	92.7	14.4	6.9e	4.3e	82.8	15.9e	7.9e	17.8	55.8	41.8	186.2	45.3
6	93.9	13.7	6.8e	4.2e	89.5	14.9e	8.5e	17.1	52.7	43.7	147.8	42.8
7	91.7	13.0	6.8e	4.0e	94.4	13.0e	7.7e	17.0	53.6	46.4	126.4	39.7
8	84.4	12.3	6.9e	4.0e	94.7	11.7e	7.1e	15.6	57.3	79.6	98.7	36.2
9	77.0	11.6	6.8e	3.9e	89.1	11.8e	6.4e	13.8	61.0	50.9	80.6	34.2
10	64.1	10.8	6.6e	3.8e	76.4	15.6e	6.1e	13.1	64.9	52.0	68.3	32.8
11	56.4	9.9	6.5e	3.8e	61.4	15.3e	6.1e	12.5	67.2	59.9	62.1	30.6
12	49.5	9.1	6.4e	3.8e	50.1	13.5e	6.0e	14.0	70.4	88.6	65.5	28.3
13	44.3	8.2	6.2e	3.8e	45.4	11.8e	5.5e	18.7	73.4	133.6	64.5	27.0
14	40.4	8.0e	6.1e	3.9e	43.3	10.7e	5.3e	21.2	74.2	87.6	69.3	25.7
15	35.3	8.0e	6.0e	6.4e	41.7	10.0e	5.0e	25.2	74.3	83.5	73.9	25.1
16	33.9	8.1e	5.9e	5.9e	39.4	9.7e	4.9e	28.8	74.8	87.6	87.7	23.0
17	32.2	8.1e	5.9e	4.7e	32.5e	9.5e	4.9e	30.5	73.0	90.0	91.7	18.5
18	30.7	8.2e	5.7e	3.8e	28.2e	10.4e	4.9e	31.0	73.1	93.4	92.7	18.7
19	30.0	8.2e	5.7e	3.1e	24.7e	10.6e	4.9e	30.6	75.2	95.6	94.9	20.0
20	28.9	8.1e	5.5e	3.3e	21.8e	9.7e	4.8e	32.4	77.2	93.0	105.0	18.8
21	27.3	8.1e	5.4e	3.3e	20.1e	9.0e	4.7e	37.2	77.2	91.5	114.4	17.8
22	25.7	8.0e	5.3e	3.8e	19.0e	8.6e	4.6e	42.0	75.1	89.2	124.8	16.4
23	24.2	8.0e	5.4e	2.6	18.8e	8.1e	4.6e	45.7	70.5	115.6	136.0	14.9
24	23.0	8.0e	5.2e	17.4	17.9e	7.7e	4.6e	49.3	63.0	136.2	149.7	13.5
25	21.9	7.9e	5.1e	19.6	16.8e	7.4e	4.6e	51.7	56.7	168.7	163.1	12.2
26	20.6	7.6e	5.0e	20.1	15.5e	7.1e	4.8e	55.5	52.0	194.0	174.0	11.0
27	19.6	7.6e	4.9e	27.0	13.7e	7.0e	5.0e	58.8	49.4	209.1	180.7	9.8
28	19.2	7.6e	4.8e	32.3	12.6e	7.0e	4.9e	62.3	48.1	208.4	169.7	9.0
29	18.8		4.7e	40.8	12.3e	6.8e	4.7e	65.7	48.0	208.7	155.3	8.4
30	18.4		4.7e	45.5	12.7e	6.8e	4.4e	67.9	48.9	215.0	123.5	7.1
31	18.4		4.6e		15.9e		4.4e	72.7		222.0		7.1e
Mean	46.3	10.3	5.9	9.9	43.3	10.6	5.6	31.4	64.1	105.6	129.4	27.3
Maximum	93.9	18.0	7.5	45.5	94.7	15.9	8.5	72.7	77.2	222.0	226.1	80.0
Minimum	18.4	7.6	4.6	2.6	12.3	6.8	4.4	3.2	48.0	41.8	62.1	7.1
Total	124	25	16	26	116	28	15	84	166	283	335	73

(Total flows in million cubic metres per month)

Annual statistics

Mean : 40.9 (cubic metres per second)
Maximum : 226.1 (cubic metres per second)
Minimum : 2.6 (cubic metres per second)
Total : 1290 (million cubic metres)

Data availability

Original values : 220
Estimated values (Flag e) : 145
Missing values (Flag m) : 0

Comments : A very poor Gu flood for the second successive year

River Shebelli at Beled Weyn 1966

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	7.2e	3.3	17.9	16.4	97.7	44.9	44.8	42.1e	90.6	190.9	103.1	13.7
2	7.4e	3.2	15.7	16.3	103.3	40.1	44.4	43.2e	91.5	189.9	109.5	12.5
3	7.5e	3.1	13.7	16.1	109.5	37.7	43.0	43.3e	92.8	186.7	115.5	12.3
4	7.6e	3.1	12.8	15.0	119.7	37.9	40.5	43.4e	94.4	181.2	124.5	12.2
5	6.9e	3.3	12.3	13.6	124.1	37.9	38.8	44.8e	95.7	174.0	131.3	12.4
6	6.8e	3.2	12.6	12.4	127.7	37.6	37.9	47.3e	96.7	165.2	136.2	12.2
7	6.5e	3.3	19.9	11.6	138.6	37.3	36.6	48.0e	99.0	157.5	139.1	12.1
8	6.1e	3.4	31.9	12.1	150.4	36.8	34.7	47.1e	101.3	148.2	137.2	11.0
9	5.9e	3.2	39.5	12.5	153.7	36.2	32.6	45.4e	104.2	139.8	126.1	10.6
10	5.6e	3.3	43.6	10.5	151.4	34.5	30.2	44.6e	107.9	130.4	103.1	10.2
11	5.2e	3.2	45.2	9.8	144.7	32.9	28.7	45.1e	112.7	118.5	90.5	9.4
12	4.7e	3.4	45.0	9.2	131.8	30.9	27.1	47.4e	118.2	111.5	78.5	9.0
13	4.8e	3.1	43.9	8.4	110.0	29.0	24.8	50.3	125.2	102.4	65.9	8.6
14	4.8e	3.1	42.5	11.5	89.1	30.2	23.5	51.7	130.4	93.4	54.6	11.1
15	4.6e	3.1	39.1	20.6	73.8	30.6	21.2	53.9	134.9	81.1	43.9	14.5
16	4.6e	3.1	33.5	28.8	61.9	30.6	19.9	57.4	139.1	72.4	36.5	13.3
17	4.5e	3.1	30.7	31.0	53.7	30.8	20.8	58.9	143.1	64.5	33.4	11.4
18	4.4e	2.8	27.8	33.5	48.6	30.8	23.9	60.6	147.1	59.9	30.9	12.8
19	4.1e	2.9	25.4	39.2	48.6	29.7	26.3	63.9	150.7	53.7	28.5	12.1
20	3.9e	2.8	23.6	72.4	47.9	30.0	26.2	66.4	153.8	39.8	26.1	11.1
21	3.6e	2.7	21.5	67.9	46.5	30.6	28.1	69.0	158.8	47.0	23.9	9.1
22	3.4e	4.4	19.3	51.9	42.2	33.6	30.3	72.3	162.8	48.3	22.6	9.2
23	3.3e	7.2	17.2	49.9	35.8	34.8	35.5	76.0	166.6	51.7	20.9	9.5
24	3.3e	13.3	15.9	52.8	36.6	34.9	40.9	77.6	168.7	58.0	19.7	10.8
25	3.3e	18.9	15.1	57.7	45.1	34.6	44.3	78.8	171.0	62.9	17.9	9.4
26	3.3e	20.8	15.1	62.5	51.4	34.1	46.0	81.4	175.3	69.1	17.1	9.1
27	3.2e	21.0	15.5	70.4	53.8	34.0	47.0	84.5	178.7	74.6	16.5	7.6
28	3.2e	20.1	16.2	76.9	54.0	38.2	46.3	86.2	182.9	82.6	15.6	6.1
29	3.3e		16.7	83.6	52.9	43.1	46.2	86.7	187.2	86.6	15.2	5.7
30	3.2e		16.9	95.7	51.4	45.1	46.2	87.8	188.8	90.5	14.5	4.8
31	3.3e		16.7		50.6		44.8	89.1		94.9		4.4
Mean	4.8	6.1	24.6	35.7	84.1	35.0	34.9	61.1	135.7	104.1	63.3	10.3
Maximum	7.6	21.0	45.2	95.7	153.7	45.1	47.0	89.1	188.8	190.9	139.1	14.5
Minimum	3.2	2.7	12.3	8.4	35.8	29.0	19.9	42.1	90.6	39.8	14.5	4.4
Total	13	15	66	92	225	91	93	164	352	279	164	28

(Total flows in million cubic metres per month)

Annual statistics

Mean : 50.1 (cubic metres per second)
Maximum : 190.9 (cubic metres per second)
Minimum : 2.7 (cubic metres per second)
Total : 1581 (million cubic metres)

Data availability

Original values : 322
Estimated values (Flag e) : 43
Missing values (Flag m) : 0

Comments :

River Shebelli at Beled Weyn 1967

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.7	2.5	1.1	10.8	90.9	177.5	4.5	69.1	177.2	234.1	282.0	226.7
2	2.9	2.5	1.1	13.2	95.3	159.1	3.7	71.2	178.8	234.6	284.6	234.9
3	2.9	2.4	1.1	26.2	111.9	146.4	3.1	73.6	181.3	249.2	284.3	236.0
4	2.6	2.3	1.1	16.6	73.0	130.3	2.8	75.1	184.4	275.4	283.2	235.7
5	2.4	2.5	1.1	16.6	68.3	114.2	4.1	79.2	187.6	263.0	278.9	247.6
6	2.3	2.6	1.1	26.0	70.2	102.8	5.3	81.5	189.2	237.6	269.5	242.3
7	2.1	2.5	1.1	27.3	69.5	91.4	5.8	85.7	191.6	231.8	247.3	247.6
8	1.8	2.5	1.1	32.2	71.8	78.5	7.8	88.2	193.9	227.7	206.5	249.8
9	1.7	2.6	1.0	39.3	69.8	70.6	8.6	89.5	196.3	223.1	164.1	248.4
10	1.7	2.6	1.0	47.4	73.7	62.2	11.9	92.2	198.2	221.4	136.4	236.3
11	1.7	2.6	1.0	56.0	81.1	59.0	16.0	94.4	199.0	216.0	115.2	245.8
12	1.6	2.6	1.0	57.5	89.4	56.7	14.3	97.4	200.4	213.9	99.4	215.5
13	1.5	2.3	0.9	65.3	103.2	54.7	12.9	100.3	202.5	212.6	88.4	208.9
14	1.6	2.3	0.7	79.8	110.8	52.2	12.8	102.8	202.5	210.8	82.2	204.4
15	1.6	2.1	0.7	85.2	116.6	47.6	13.4	108.0	203.9	208.7	82.2	199.8
16	1.7	1.9	0.7	83.8	126.2	43.1	14.2	111.3	205.3	208.6	82.0	183.7
17	1.8	1.8	0.7	75.5	133.9	36.9	17.5	113.1	202.8	209.7	81.0	175.1
18	2.0	1.8	0.6	67.3	142.1	33.7	24.8	120.1	202.8	213.9	77.5	165.0
19	2.2	1.8	0.6	68.8	154.8	30.0	32.4	128.9	202.0	217.0	77.6	142.1
20	2.3	1.6	0.5	60.1	164.4	26.2	37.3	137.8	199.0	219.9	87.0	130.2
21	2.4	1.5	0.4	51.0	183.8	21.4	41.7	146.7	202.3	219.1	96.5	126.0
22	2.3	1.5	0.4	41.4	194.9	18.0	48.7	157.5	208.3	217.3	100.1	99.2
23	2.4	1.5	0.4	36.3	202.0	17.0	54.9	166.8	219.3	223.8	118.5	79.5
24	2.6	1.5	0.4	40.6	207.9	15.0	58.4	173.8	220.4	228.8	133.9	68.3
25	2.6	1.4	0.4	40.9	212.4	14.1	60.3	178.7	224.8	233.1	142.8	57.3
26	2.6	1.2	0.4	47.8	215.8	12.7	61.6	184.6	227.4	237.9	158.7	57.4
27	2.6	1.1	0.4	52.4	217.4	11.1	61.7	186.4	226.9	246.7	181.3	47.3
28	2.6	1.1	0.4	54.9	217.5	9.1	62.6	181.6	228.7	257.3	194.9	46.5
29	2.6		0.4	54.6	216.3	7.2	64.0	178.8	232.3	263.4	206.3	39.5
30	2.6		0.4	57.7	209.1	4.7	64.8	175.5	234.2	270.2	218.6	35.7
31	2.6		0.8		195.7		67.4	175.6		276.0		31.3
Mean	2.2	2.0	0.8	47.7	138.4	56.8	29.0	123.4	204.1	232.3	162.0	160.1
Maximum	3.7	2.6	1.1	85.2	217.5	177.5	67.4	186.4	234.2	276.0	284.6	249.8
Minimum	1.5	1.1	0.4	10.8	68.3	4.7	2.8	69.1	177.2	208.6	77.5	31.3
Total	6	5	2	124	371	147	78	331	529	622	420	429

(Total flows in million cubic metres per month)

Annual statistics

Mean : 97.1 (cubic metres per second)
Maximum : 284.6 (cubic metres per second)
Minimum : 0.4 (cubic metres per second)
Total : 3063 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments : Above average flows overall, but exceptionally low in mid-year

River Shebelli at Beled Weyn 1968

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	42.8	15.8	24.7	45.2	227.0	220.2	86.4	94.2	194.5	138.4	78.4	82.3
2	39.7	15.2	29.0	41.2	241.0	209.8	82.6	94.8	195.7	141.7	76.0	84.9
3	38.1	15.3	42.8	38.6	252.6	235.8	79.5	95.0	199.1	143.2	77.1	85.2
4	36.1	15.6	50.0	37.3	257.9	218.5	74.9	96.1	199.3	144.5	77.2	87.3
5	33.4	15.9	56.8	36.4	267.0	200.5	73.2	97.4	202.3	144.6	75.4	88.3
6	32.4	15.8	61.5	38.3	277.8	186.6	76.0	98.6	201.4	143.2	70.0	88.2
7	31.3	15.2	67.9	40.3	289.7	174.1	77.2	98.6	200.9	140.7	63.6	87.6
8	30.6	15.2	71.8	41.1	298.9	165.0	78.3	102.3	195.4	138.0	57.6	87.4
9	30.6	15.2	75.0	40.4	303.8	154.3	79.2	105.6	191.7	135.3	51.1	83.6
10	30.1	15.2	81.9	41.4	310.8	145.6	80.2	108.7	186.2	133.3	46.2	78.2
11	28.6	15.0	89.1	47.8	317.2	138.6	79.3	111.1	179.8	130.5	43.0	71.3
12	28.3	14.4	97.0	55.6	321.8	133.4	78.7	114.5	173.6	129.6	40.0	64.4
13	27.2	14.1	106.2	62.4	325.2	128.8	77.4	122.3	165.1	125.8	38.0	57.6
14	27.3	13.7	112.0	68.9	329.4	125.6	77.0	129.0	155.7	124.5	36.3	51.4
15	27.1	13.5	111.0	80.8	333.4	124.7	77.6	137.7	145.7	123.7	33.8	47.3
16	25.0	13.2	109.5	82.1	335.4	127.3	79.5	142.8	138.5	123.2	32.9	44.9
17	23.9	12.5	99.2	86.8	336.4	130.4	81.9	148.1	132.1	122.9	33.2	44.2
18	23.6	12.5	99.0	92.3	339.4	132.8	83.9	152.6	125.9	126.2	32.7	43.1
19	23.6	12.5	96.6	101.2	341.2	135.6	86.1	156.5	120.9	128.6	32.5	41.3
20	23.3	12.5	90.2	110.5	341.7	136.8	88.2	158.6	117.2	129.2	30.8	37.7
21	22.2	12.9	87.8	120.6	342.4	137.1	89.4	161.4	114.1	128.3	32.9	36.0
22	21.6	15.2	85.7	134.4	350.2	135.3	89.9	162.6	113.2	124.7	37.9	33.3
23	20.5	18.1	84.7	146.6	346.9	131.9	89.9	164.2	110.9	120.8	51.0	31.2
24	20.1	19.2	82.6	164.6	334.9	127.2	90.0	165.4	110.8	114.6	56.3	29.8
25	19.7	19.4	78.5	178.1	325.0	121.1	90.8	168.7	115.3	109.7	60.6	28.7
26	19.3	18.5	73.8	191.3	311.4	115.0	92.3	172.0	118.9	101.8	62.8	27.5
27	19.3	19.6	68.4	202.1	298.0	106.9	93.3	175.7	122.5	97.2	65.0	27.0
28	20.1	21.1	62.3	209.0	281.6	99.9	94.4	178.8	127.2	95.1	68.5	26.3
29	18.0	23.4	57.7	214.3	266.7	94.0	94.8	182.9	131.3	92.5	72.3	25.8
30	15.8		53.6	218.8	250.4	90.0	94.9	186.0	134.4	87.7	76.5	25.1
31	15.4		49.2		232.6		94.9	191.3		83.2		23.9
Mean	26.3	15.7	76.0	98.9	302.8	146.1	84.3	137.9	154.0	123.3	53.6	53.9
Maximum	42.8	23.4	112.0	218.8	350.2	235.8	94.9	191.3	202.3	144.6	78.4	88.3
Minimum	15.4	12.5	24.7	36.4	227.0	90.0	73.2	94.2	110.8	83.2	30.8	23.9
Total	70	39	204	256	811	379	226	369	399	330	139	144

(Total flows in million cubic metres per month)

Annual statistics

Mean : 106.5 (cubic metres per second)
Maximum : 350.2 (cubic metres per second)
Minimum : 12.5 (cubic metres per second)
Total : 3367 (million cubic metres)

Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments :

River Shebelli at Beled Weyn 1969

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	22.7	17.7	68.6	112.7	52.6	99.0	26.0	77.2	165.0	155.6	40.5	16.7
2	21.9	17.1	70.8	111.6	56.5	77.7	25.2	80.6	165.4	147.2	37.9	17.1
3	20.9	17.4	73.1	112.3	59.6	65.7	24.1	83.3	165.4	138.1	36.7	17.5
4	19.9	17.1	75.9	111.7	65.8	57.3	24.7	85.8	166.0	128.4	37.1	17.2
5	20.2	17.0	77.6	114.3	71.7	50.2	40.4	88.6	166.1	115.3	34.7	16.2
6	20.6	16.9	79.5	120.9	76.2	45.0	49.5	91.7	167.4	105.9	32.7	16.0
7	19.6	16.9	82.6	128.4	83.1	42.0	53.8	93.7	168.8	93.7	43.4	16.6
8	18.3	17.8	85.8	134.7	88.4	41.2	56.8	96.5	171.3	85.9	67.7	16.9
9	17.4	18.9	91.1	140.9	92.4	41.2	59.2	100.7	173.8	81.3	74.8	18.3
10	17.1	19.4	99.8	146.9	98.8	40.9	57.4	105.2	175.5	76.4	80.6	18.9
11	18.5	20.0	112.8	149.9	105.8	39.3	53.6	110.7	177.2	74.4	80.9	19.0
12	22.5	22.1	125.8	150.2	115.7	38.2	50.4	113.3	177.3	76.4	72.3	18.8
13	22.3	24.1	133.9	145.2	131.6	37.4	50.0	123.1	176.6	81.0	58.8	17.4
14	21.9	25.4	144.5	132.5	139.9	37.3	57.7	131.5	174.3	82.3	51.1	16.1
15	21.2	25.1	148.4	114.1	150.4	37.3	64.7	138.2	170.1	80.8	46.4	15.6
16	20.0	23.4	144.7	103.6	164.2	36.8	67.5	145.7	162.8	78.1	42.3	15.4
17	18.7	21.7	138.8	99.0	177.3	36.0	68.2	154.2	155.6	77.0	38.4	14.9
18	19.1	20.2	135.4	98.7	185.7	35.2	66.9	161.9	149.7	79.0	35.3	14.0
19	21.6	18.5	135.3	99.2	194.2	34.2	64.2	168.5	146.1	77.2	32.4	13.5
20	23.2	17.6	138.0	100.8	198.3	33.9	60.9	172.9	143.5	68.1	29.7	13.8
21	23.5	16.9	145.4	101.0	198.3	33.6	58.0	175.8	142.7	61.6	27.7	13.2
22	23.0	16.3	152.9	100.9	198.2	33.1	54.8	178.0	142.7	56.5	25.1	12.9
23	22.3	15.6	159.9	100.8	197.7	32.2	54.2	179.8	144.8	53.1	24.0	12.2
24	21.7	14.9	165.7	98.7	199.6	32.5	56.5	180.0	147.6	58.4	22.5	12.1
25	20.8	23.0	168.6	92.6	199.7	32.0	60.0	176.3	151.7	66.6	21.1	11.8
26	19.8	50.8	169.5	84.0	198.4	30.5	62.0	174.6	155.7	64.7	20.0	11.3
27	19.0	61.0	162.0	76.9	195.8	29.4	64.0	174.2	158.3	56.9	19.0	11.2
28	18.6	65.3	151.1	66.9	187.3	28.0	65.4	172.7	159.7	49.6	18.2	11.5
29	17.9		138.2	60.2	177.7	26.6	67.2	169.8	160.3	48.3	17.8	11.1
30	18.5		125.3	54.9	157.2	26.1	70.4	167.2	159.0	47.7	17.4	10.6
31	18.5		116.4		129.8		74.0	165.8		45.3		9.8
Mean	20.4	23.5	123.1	108.8	140.3	41.0	55.1	136.7	161.3	81.0	39.5	14.8
Maximum	23.5	65.3	169.5	150.2	199.7	99.0	74.0	180.0	177.3	155.6	80.9	19.0
Minimum	17.1	14.9	68.6	54.9	52.6	26.1	24.1	77.2	142.7	45.3	17.4	9.8
Total	55	57	330	282	376	106	148	366	418	217	103	40

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	79.1	(cubic metres per second)
Maximum	:	199.7	(cubic metres per second)
Minimum	:	9.8	(cubic metres per second)
Total	:	2496	(million cubic metres)

Data availability

Original values	:	365
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	0

Comments :

River Shebelli at Beled Weyn 1970

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	9.1	18.2	8.8	142.1	180.9	55.5	17.9	72.3	206.6	208.6	195.7	26.4
2	9.2	31.8	8.8	141.3	188.5	52.7	16.5	74.9	208.5	205.5	185.5	25.0
3	9.4	34.1	8.6	134.7	195.5	48.5	16.3	79.3	209.7	202.5	179.6	24.2
4	9.0	33.9	8.3	129.9	201.2	42.5	16.3	82.6	211.5	197.6	173.3	22.6
5	8.6	33.6	8.2	111.8	204.8	39.3	16.0	85.7	215.0	193.8	167.4	21.8
6	9.0	33.6	7.8	109.2	207.1	36.1	15.7	87.8	217.7	190.5	163.1	20.6
7	9.3	32.6	24.7	102.2	210.2	32.4	14.8	89.5	219.7	188.6	157.8	19.1
8	9.1	30.6	53.7	95.3	214.3	30.4	14.5	91.6	221.9	188.1	153.4	18.6
9	9.0	28.3	56.8	92.5	216.6	29.2	13.9	94.3	224.0	187.3	149.9	18.2
10	8.9	26.1	51.5	90.4	216.3	28.6	13.8	96.9	226.0	184.0	145.1	17.8
11	8.9	23.5	48.8	88.4	212.7	27.7	13.8	99.5	227.1	182.0	139.6	17.1
12	8.9	21.3	43.5	86.5	205.5	26.4	13.7	102.5	228.3	178.9	129.8	16.7
13	8.9	20.0	39.0	81.4	195.0	26.2	13.8	106.4	229.7	174.5	115.9	16.6
14	8.9	18.5	54.0	77.0	182.4	25.6	13.8	109.2	228.8	175.6	103.1	16.3
15	8.7	17.8	64.5	70.6	174.2	23.7	13.8	112.7	227.9	167.3	86.8	15.6
16	8.6	17.3	65.9	67.8	169.8	21.9	13.8	116.8	226.2	162.4	76.5	15.0
17	8.6	17.0	68.9	68.4	169.6	21.0	13.8	121.1	224.9	179.7	66.7	14.8
18	8.6	16.3	71.5	69.9	171.0	19.8	13.8	125.4	223.2	154.8	59.8	14.5
19	8.6	15.5	72.7	75.8	173.3	19.0	14.6	131.2	220.3	151.3	53.2	14.5
20	8.3	14.0	76.7	83.3	174.2	17.7	17.0	135.7	218.1	150.4	49.7	14.0
21	7.9	13.0	80.3	91.8	173.6	16.7	18.5	141.6	214.7	147.6	45.5	13.8
22	7.5	12.0	84.8	95.3	169.2	15.9	20.7	148.4	211.0	146.0	42.2	13.0
23	7.5	11.2	88.6	102.4	156.5	14.0	22.4	155.4	208.4	145.0	39.4	12.7
24	7.5	10.6	92.6	111.3	138.7	13.4	22.7	164.3	207.8	144.5	37.2	12.5
25	7.5	10.2	96.9	119.8	118.2	17.0	23.5	173.5	207.9	146.2	35.7	12.0
26	7.3	9.7	102.5	130.0	99.2	17.8	38.2	183.2	209.2	148.6	33.3	11.7
27	7.2	9.4	109.4	139.2	83.9	18.2	55.5	187.9	210.1	152.2	31.8	11.2
28	9.4	8.8	119.6	148.1	73.7	18.9	62.7	189.0	210.1	183.7	30.0	11.2
29	13.2		128.5	159.4	71.3	18.1	66.4	195.0	210.0	222.3	29.0	11.5
30	13.0		135.2	173.8	70.3	17.4	69.3	200.3	210.0	217.8	27.0	11.6
31	13.0		141.6		63.4		70.8	203.7		205.8		11.8
Mean	9.0	20.3	65.3	106.3	163.9	26.4	24.8	127.7	217.1	176.9	96.8	16.2
Maximum	13.2	34.1	141.6	173.8	216.6	55.5	70.8	203.7	229.7	222.3	195.7	26.4
Minimum	7.2	8.8	7.8	67.8	63.4	13.4	13.7	72.3	206.6	144.5	27.0	11.2
Total	24	49	175	276	439	68	66	342	563	474	251	43

(Total flows in million cubic metres per month)

Annual statistics

Mean : 87.8 (cubic metres per second)
Maximum : 229.7 (cubic metres per second)
Minimum : 7.2 (cubic metres per second)
Total : 2770 (million cubic metres)

Comments :

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

River Shebelli at Beled Weyn 1971

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	12.2	8.6	6.5	5.9	48.2	59.6	72.0	96.8	147.6	104.4	122.5	66.5
2	12.1	8.3	6.3	5.9	55.2	59.5	74.6	94.6	151.9	97.4	108.7	60.2
3	11.8	8.2	6.3	5.7	164.9	65.9	74.8	92.9	155.5	92.7	95.1	55.2
4	11.5	8.0	6.3	6.3	77.9	73.4	80.9	91.2	158.3	90.3	87.1	50.8
5	11.2	8.0	6.3	23.2	65.6	72.6	82.3	90.1	161.7	87.1	82.2	48.0
6	10.9	7.8	6.3	28.3	82.0	64.4	80.6	92.7	164.8	81.8	80.7	43.8
7	10.6	7.8	6.4	28.0	69.9	58.5	76.9	97.1	166.4	77.2	76.7	41.7
8	10.6	7.8	6.5	29.4	64.3	53.6	71.0	98.5	168.0	77.4	73.6	37.8
9	10.6	7.8	6.2	27.5	78.4	49.7	64.8	102.8	168.2	82.4	70.6	35.5
10	10.6	7.8	6.3	24.1	85.9	47.0	61.4	105.8	168.1	86.5	64.4	32.8
11	10.6	7.8	6.3	21.4	94.1	45.4	60.4	103.2	167.5	90.2	57.3	30.7
12	10.3	7.5	6.3	22.5	99.0	44.4	60.4	99.1	166.1	94.3	52.4	29.2
13	10.3	7.5	6.3	37.3	106.6	42.3	69.8	98.8	164.7	100.7	46.0	28.2
14	10.0	7.3	6.2	40.1	110.9	37.4	77.7	102.0	164.7	108.5	41.2	27.7
15	9.5	7.3	6.3	39.2	112.9	33.3	80.9	106.5	164.4	115.6	38.0	27.1
16	9.4	7.3	6.3	50.7	116.0	30.7	81.1	111.2	164.3	120.5	35.8	26.9
17	9.4	7.0	6.3	61.3	120.5	29.2	81.2	113.8	164.6	126.4	34.4	25.7
18	9.4	7.0	6.3	68.7	124.8	28.0	83.8	116.5	164.7	129.7	33.0	24.5
19	9.2	6.7	6.1	73.3	132.3	29.1	88.1	117.6	164.5	129.1	34.9	23.0
20	9.1	6.4	5.8	80.0	133.0	29.3	90.8	119.2	163.7	127.0	40.0	21.7
21	8.9	6.3	5.8	84.2	127.8	31.2	91.3	120.7	164.7	123.5	51.4	20.8
22	8.7	6.3	5.6	87.9	117.6	32.1	94.0	121.7	164.3	116.2	71.0	20.0
23	9.9	6.1	5.8	86.8	110.2	38.6	95.2	123.1	162.0	110.3	86.7	19.2
24	10.0	6.1	5.6	86.8	107.5	61.6	95.8	125.9	159.0	101.6	94.5	18.2
25	9.5	6.3	5.6	87.3	103.6	70.7	95.3	128.7	153.8	117.8	101.4	17.6
26	9.3	6.5	5.5	72.5	97.0	76.6	92.7	131.3	148.2	144.7	106.7	17.1
27	8.9	6.5	5.4	66.7	92.5	80.1	92.8	133.3	140.9	152.7	107.3	16.5
28	8.9	6.5	5.5	61.3	81.4	79.1	95.0	135.1	132.1	137.6	101.4	15.9
29	8.9		5.5	53.2	70.4	74.5	99.2	138.4	121.0	131.4	88.8	15.4
30	8.8		6.0	46.7	63.1	71.5	101.2	141.2	112.2	129.6	76.3	14.9
31	8.6		6.1		60.1		100.1	144.5		125.0		14.9
Mean	10.0	7.2	6.1	47.1	95.9	52.3	82.8	112.7	157.3	110.0	72.0	29.9
Maximum	12.2	8.6	6.5	87.9	164.9	80.1	101.2	144.5	168.2	152.7	122.5	66.5
Minimum	8.6	6.1	5.4	5.7	48.2	28.0	60.4	90.1	112.2	77.2	33.0	14.9
Total	27	17	16	122	257	136	222	302	408	295	187	80

(Total flows in million cubic metres per month)

Annual statistics

Mean : 65.6 (cubic metres per second)
Maximum : 168.2 (cubic metres per second)
Minimum : 5.4 (cubic metres per second)
Total : 2068 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments :

River Shebelli at Beled Weyn 1972

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	14.0	8.9	25.8	31.3	147.6	152.7	24.3	126.9	149.7	119.7	58.9	23.8
2	13.8	8.8	23.0	36.3	155.1	154.1	25.4	127.4	151.4	123.0	75.7	25.2
3	13.5	8.3	21.7	34.3	163.8	153.7	26.1	125.2	153.1	124.4	98.2	26.2
4	13.1	8.1	20.2	32.3	174.7	149.4	34.9	122.3	156.1	123.1	108.3	24.8
5	12.5	8.0	18.7	29.7	184.5	137.6	54.5	118.6	159.0	118.7	103.8	23.4
6	12.2	8.0	17.3	27.3	195.8	115.3	55.7	114.5	161.4	116.4	108.5	23.7
7	11.8	7.9	15.8	25.0	196.4	94.5	53.6	111.2	163.2	104.3	110.7	24.7
8	11.5	7.5	15.0	23.4	196.8	78.9	56.0	108.2	165.6	104.3	111.4	24.1
9	11.2	7.5	13.8	22.5	196.8	70.6	57.9	106.7	167.7	113.3	107.9	23.3
10	11.2	7.3	12.1	21.6	196.5	67.3	59.6	107.1	169.1	120.9	100.6	21.7
11	11.0	7.0	12.2	20.6	198.2	61.9	62.9	110.3	169.5	128.7	96.0	20.5
12	12.4	6.9	12.6	19.8	200.2	54.9	68.1	113.8	168.3	144.5	95.6	19.7
13	14.6	6.9	14.7	18.3	203.2	53.0	74.2	119.1	167.8	136.1	102.4	19.2
14	14.3	6.8	20.2	16.9	206.5	51.4	82.1	123.5	165.8	134.5	109.7	18.0
15	13.4	6.9	22.8	15.3	209.6	48.1	85.3	127.7	163.4	132.7	103.7	17.4
16	12.5	6.8	22.1	14.5	214.1	43.5	86.3	130.6	161.6	133.4	90.4	16.5
17	13.2	6.8	20.3	16.5	225.6	39.7	87.9	132.1	160.2	133.9	71.4	15.9
18	11.9	10.9	19.0	22.5	217.1	36.4	91.8	134.0	158.8	134.4	60.0	15.3
19	10.5	25.9	16.8	30.7	212.0	33.7	95.6	134.6	157.7	133.1	53.0	14.9
20	10.1	50.1	15.4	51.8	227.6	31.2	99.0	135.7	156.3	127.8	48.2	14.4
21	9.8	56.7	13.9	70.7	133.2	28.8	102.5	135.5	154.0	116.7	44.1	13.8
22	10.0	58.5	12.4	79.2	97.4	27.3	106.4	134.2	152.2	105.7	40.8	13.7
23	9.9	57.0	11.8	86.8	104.4	27.7	110.8	132.9	149.8	96.1	38.2	13.5
24	10.3	53.7	11.1	92.2	210.2	36.4	114.2	132.5	147.5	95.0	35.6	13.0
25	10.7	47.7	10.6	98.7	212.8	41.7	118.2	133.2	144.5	100.9	33.7	12.8
26	10.2	42.0	9.7	104.4	183.4	37.8	122.1	136.3	141.2	100.6	31.1	12.7
27	9.7	36.8	9.0	112.3	152.3	32.9	124.9	138.2	135.7	93.3	29.6	12.3
28	9.7	32.8	8.3	120.0	143.0	29.3	126.8	140.1	145.3	101.7	28.6	12.3
29	9.7	29.5	7.9	129.7	142.9	27.5	127.8	143.9	122.3	72.4	26.3	12.0
30	9.4		9.3	138.9	146.2	26.6	127.1	146.4	116.9	62.1	24.9	11.8
31	9.3		14.5		149.6		126.5	148.3		57.1		11.5
Mean	11.5	21.7	15.4	51.5	180.6	64.8	83.5	127.4	154.5	113.2	71.6	17.8
Maximum	14.6	58.5	25.8	138.9	227.6	154.1	127.8	148.3	169.5	144.5	111.4	26.2
Minimum	9.3	6.8	7.9	14.5	97.4	26.6	24.3	106.7	116.9	57.1	24.9	11.5
Total	31	54	41	133	484	168	224	341	400	303	186	48

(Total flows in million cubic metres per month)

Annual statistics

Mean : 76.3 (cubic metres per second)
Maximum : 227.6 (cubic metres per second)
Minimum : 6.8 (cubic metres per second)
Total : 2414 (million cubic metres)

Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments :

River Shebelli at Beled Weyn 1973

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	11.5	7.0	5.2	3.2	60.0	85.6	10.1	76.6	141.0	112.4	74.3	9.4
2	11.4	7.0	5.1	3.2	66.9	62.1	9.6	74.9	146.6	107.7	58.9	9.3
3	11.2	7.0	5.1	3.1	58.5	51.1	9.3	70.3	150.7	102.3	49.9	8.9
4	11.1	6.9	5.0	3.0	63.8	42.6	8.7	64.4	154.1	93.3	44.2	8.5e
5	10.9	6.7	4.9	3.0	56.9	35.8	8.3	58.8	156.1	86.1	41.9	7.9
6	10.8	6.5	4.9	3.0	43.5	32.3	8.2	53.9	154.8	81.1	40.6	9.2
7	10.6	6.5	4.8	3.0	32.8	30.4	14.2	51.3	150.8	74.7	36.9	8.1
8	10.6	6.5	4.7	3.0	24.8	28.2	17.0	56.1	148.2	73.9	32.8	7.3
9	10.0	6.4	4.7	3.0	20.9	24.9	17.3	56.3	144.1	61.3	29.9	7.0
10	9.7	6.3	4.7	3.0	18.3	22.2	16.5	55.5	143.3	58.9	28.4	6.8
11	9.4	6.2	4.6	3.0	17.0	20.3	15.8	62.3	143.9	62.6	26.4	6.8
12	9.2	6.1	4.5	3.0	21.3	18.7	14.7	73.6	143.9	71.7	24.1	6.5
13	9.0	6.1	4.5	3.0	37.8	18.1	14.0	83.3	143.6	88.7	22.3	6.3
14	8.8	5.9	4.5	3.0	38.1	19.1	14.5	88.9	143.3	99.6	20.7	5.9
15	8.6	5.8	4.5	3.0	37.7	18.8	14.5	90.7	143.2	109.5	19.6	5.7
16	8.3	5.8	4.3	2.9	41.6	18.7	14.0	93.5	141.6	114.6	18.6	5.6
17	8.3	5.8	4.3	2.9	39.1	20.6	13.6	94.1	138.4	117.9	18.0	5.6
18	8.1	5.8	4.3	2.9	46.1	20.0	15.3	94.6	135.9	122.1	17.1	5.5
19	8.0	5.6	4.3	2.9	46.1	19.2	18.2	97.0	135.0	127.2	15.7	5.4
20	7.9	5.4	4.1	2.9	38.4	17.9	24.2	100.7	135.1	133.9	14.9	5.2
21	7.8	5.6	3.8	2.9	60.3	16.1	26.0	105.0	135.2	134.5	14.2	5.0
22	7.8	5.6	3.7	2.9	76.0	16.8	27.2	107.9	135.2	133.5	13.5	4.9
23	7.8	5.4	3.6	2.9	71.2	16.6	29.5	110.5	135.1	129.3	12.5	4.7
24	7.8	5.4	3.6	2.9	63.5	14.3	33.1	112.9	133.6	118.6	12.0	4.6
25	7.5	5.4	3.6	3.6	59.8	12.7	35.4	116.4	127.4	113.7	11.8	4.5
26	7.5	5.4	3.4	24.8	59.9	11.9	46.9	119.6	122.5	112.0	11.2	4.3
27	7.5	5.4	3.4	38.2	69.4	11.8	60.8	122.1	120.9	114.6	10.6	4.2
28	7.4	5.2	3.4	22.4	83.5	11.7	70.2	124.1	120.3	111.1	10.1	4.1
29	7.4		3.4	21.0	91.3	11.2	74.2	127.8	118.4	109.0	9.5	4.0
30	7.3		3.2	31.9	97.1	10.8	77.0	131.6	116.5	98.7	9.4	3.9
31	7.2		3.2		96.8		77.3	135.4		87.1		3.9
Mean	8.9	6.0	4.2	7.1	52.8	24.7	27.0	90.6	138.6	102.0	25.0	6.1
Maximum	11.5	7.0	5.2	38.2	97.1	85.6	77.3	135.4	156.1	134.5	74.3	9.4
Minimum	7.2	5.2	3.2	2.9	17.0	10.8	8.2	51.3	116.5	58.9	9.4	3.9
Total	24	15	11	18	142	64	72	243	359	273	65	16

(Total flows in million cubic metres per month)

Annual statistics

Mean : 41.3 (cubic metres per second)
Maximum : 156.1 (cubic metres per second)
Minimum : 2.9 (cubic metres per second)
Total : 1302 (million cubic metres)

Comments : A very late and small Gu flood

Data availability

Original values : 364
Estimated values (Flag e) : 1
Missing values (Flag m) : 0

River Shebelli at Beled Weyn 1974

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.9	2.1e	1.1e	39.0	20.4	32.8	44.0	66.5	121.9	132.3	24.8	9.7
2	3.8	2.1e	1.1e	45.5	19.4	29.4	43.4	74.5	123.7	135.0	23.4	10.2
3	3.7	2.1e	1.0e	72.0	17.8	26.9	42.9	90.2	126.2	137.9	23.1	9.5
4	3.6	2.0e	1.0e	79.0	16.5	31.5	42.8	98.4	128.3	138.5	22.3	8.9
5	3.6	2.0e	1.0e	86.5	18.9	61.0	42.9	103.2	130.6	139.1	22.7	8.3
6	3.6	1.9e	0.9e	93.4	31.0	91.2	44.8	106.1	131.6	139.2	23.5	7.7
7	3.6	1.9e	0.9e	102.6	31.7	106.8	44.8	109.5	133.7	138.3	21.8	7.0
8	3.5	1.9e	0.8e	112.3	27.5	116.4	42.2	110.6	135.5	134.4	20.3	6.8
9	3.5	1.8e	0.8e	115.6	23.5	119.9	39.2	109.6	137.7	128.8	19.7	7.1
10	3.3	1.8e	0.8e	117.7	21.2	115.0	37.4	104.7	140.4	116.7	22.7	7.1
11	3.3	1.8e	0.7e	119.2	16.5	105.6	35.7	101.1	143.1	104.3	24.5	6.6
12	3.0	1.7e	0.7e	116.0	23.7	95.6	42.2	101.0	145.1	92.5	24.5	7.0
13	2.8	1.7e	0.7e	110.4	26.3	89.1	73.6	106.9	149.2	83.0	24.9	7.3
14	2.7	1.7e	0.6e	100.8	27.2	88.8	89.7	109.8	153.8	76.1	24.4	6.9
15	2.8e	1.6e	0.6e	88.5	52.7	85.5	98.7	111.1	155.7	71.5	22.6	6.8
16	2.7e	1.6e	0.6e	75.8	92.6	76.4	104.9	113.7	159.1	68.1	20.7	6.7
17	2.7e	1.5e	0.5e	68.2	100.7	66.6	109.6	116.9	161.2	65.3	19.5	6.4
18	2.6e	1.5e	0.5e	67.3	107.5	59.7	112.4	119.8	161.1	62.0	18.8	6.2
19	2.6e	1.5e	0.4e	65.7	113.5	56.0	115.0	122.1	159.6	56.8	18.4	6.1
20	2.6e	1.4e	0.4e	61.1	118.7	54.3	116.9	125.4	157.8	52.0	17.5	6.1
21	2.5e	1.4e	0.4e	49.7	125.4	55.4	114.6	128.3	154.4	45.7	17.2	6.1
22	2.5e	1.4e	0.3e	45.4	129.3	59.4	110.6	128.2	148.0	43.2	15.9	6.0
23	2.5e	1.3e	0.3e	42.0	132.5	73.5	107.5	125.5	141.5	41.2	14.7	5.8
24	2.4e	1.3e	0.3e	35.8	131.3	75.8	102.1	119.7	133.7	40.2	13.7	6.3
25	2.4e	1.2e	0.2e	31.8	124.4	65.5	95.7	114.5	126.7	37.2	12.8	6.8
26	2.3e	1.2e	0.2e	28.6	113.2	63.9	89.1	116.7	117.7	34.5	12.3	7.2
27	2.3e	1.2e	0.1e	26.5	94.3	57.3	76.6	114.3	113.2	32.6	11.9	6.9
28	2.3e	1.1e	0.1e	25.6	70.8	51.7	69.8	115.4	116.5	31.1	11.2	6.7
29	2.2e		0.1e	24.3	54.6	47.6	63.4	116.6	124.0	29.4	10.6	6.5
30	2.2e		0.0e	21.9	46.1	45.0	59.3	118.0	128.8	28.0	10.0	6.5
31	2.2e		0.0e		39.1		61.2	114.4		26.5		5.8
Mean	2.9	1.6	0.6	68.9	63.5	70.1	73.3	110.1	138.7	79.4	19.0	7.1
Maximum	3.9	2.1	1.1	119.2	132.5	119.9	116.9	128.3	161.2	139.2	24.9	10.2
Minimum	2.2	1.1	0.0	21.9	16.5	26.9	35.7	66.5	113.2	26.5	10.0	5.8
Total	8	4	1	179	170	182	196	295	359	213	49	19

(Total flows in million cubic metres per month)

Annual statistics

Mean : 53.1 (cubic metres per second)
Maximum : 161.2 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1675 (million cubic metres)

Comments :

Data availability

Original values : 289
Estimated values (Flag e) : 76
Missing values (Flag m) : 0

River Shebelli at Beled Weyn 1975

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4.9	0.0	0.0	0.0	78.5	99.6	27.9	110.1	182.2	222.4	54.5	14.9
2	4.8	0.0	0.0	0.0	68.7	96.2	39.4	113.2	185.3	221.3	49.6	14.6
3	4.6	0.0	0.0	0.0	56.2	94.7	37.3	118.9	187.5	219.5	46.7e	13.9
4	4.7	0.0	0.0	0.0	45.9	106.0	35.7	119.0	190.0	210.0	43.9	13.5
5	4.6	0.0	0.0	0.0	38.9	110.8	35.2	120.7	191.2	204.0	40.0	13.5
6	4.4	0.0	0.0	0.0	33.7	98.1	33.8	123.0	195.0	196.5	35.2	14.5
7	4.3	0.0	0.0	0.0	33.6	85.6	36.4	124.5	196.8	187.4	33.5	13.6
8	4.2	0.0	0.0	0.0	36.2	64.2	39.5	125.3	199.6	179.7	32.6	13.0
9	4.1	0.0	0.0	0.0	53.2	54.0	45.4	122.9	203.1	163.0	31.0	12.5
10	4.1	0.0	0.0	0.0	76.1	38.9	43.3	122.7	205.7	152.9	32.7	11.9
11	3.9	0.0	0.0	0.0	74.0	30.8	39.2	122.8	207.3	136.1	48.0	11.5
12	3.7	0.0	0.0	0.0	63.7	29.0	35.6	125.7	209.2	125.1	49.1	11.2
13	3.6	0.0	0.0	0.0	47.8	26.8	34.2	127.9	210.7	118.2	42.1	10.9
14	3.5	0.0	0.0	1.4	38.6	24.5	34.9	129.2	213.5	114.0	32.3	10.9
15	3.1	0.0	0.0	10.0	46.5	23.3	43.1	131.1	216.1	110.7	28.4	10.4
16	2.0	0.0	0.0	50.8	40.9	20.2	52.8	133.6	219.6	109.7	28.4	10.2
17	1.6e	0.0	0.0	15.7	49.6	19.2	64.8	135.3	222.6	96.0	28.8	9.0
18	1.2e	0.0	0.0	11.4	80.4	18.6	74.3	138.2	225.6	85.2	27.9	8.8
19	0.8e	0.0	0.0	17.3	95.8	18.6	72.6	137.9	228.3	78.3	23.5	8.6
20	0.4e	0.0	0.0	62.1	105.2	18.3	73.0	139.7	230.2	77.4	21.9	7.9
21	0.0	0.0	0.0	72.7	110.8	20.6	83.3	140.7	231.3	80.3	20.7	7.8
22	0.0	0.0	0.0	67.9	115.4	22.6	93.6	143.4	231.0	91.7	19.9	7.3
23	0.0	0.0	0.0	66.7	115.2	23.7	96.8	145.9	229.3	87.2	19.8	7.0
24	0.0	0.0	0.0	67.3	113.4	24.0	100.7	147.9	228.0	79.9	21.1	6.5
25	0.0	0.0	0.0	63.6	111.7	22.9	98.4	149.4	229.3	93.9	22.4	6.1
26	0.0	0.0	0.0	53.3	111.9	18.7	109.6	152.0	231.0	103.6	19.3	5.8
27	0.0	0.0	0.0	39.2	117.9	17.5	111.2	155.0	231.0	101.3	18.6	5.2
28	0.0	0.0	0.0	43.5	121.0	15.6	111.3	160.7	230.7	91.3	18.2	5.1
29	0.0		0.0	61.3	119.2	15.5	109.1	168.9	226.9	73.9	17.3	5.0
30	0.0		0.0	75.6	117.5	16.3	109.7	174.0	226.2	69.2	15.2	5.2
31	0.0		0.0		112.4		111.0	178.6		67.2		5.2
Mean	2.2	0.0	0.0	26.0	78.4	42.5	65.6	136.7	213.8	127.3	30.8	9.7
Maximum	4.9	0.0	0.0	75.6	121.0	110.8	111.3	178.6	231.3	222.4	54.5	14.9
Minimum	0.0	0.0	0.0	0.0	33.6	15.5	27.9	110.1	182.2	67.2	15.2	5.0
Total	6	0	0	67	210	110	176	366	554	341	80	26

(Total flows in million cubic metres per month)

Annual statistics

Mean : 61.4 (cubic metres per second)
Maximum : 231.3 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1936 (million cubic metres)

Comments :

Data availability

Original values : 360
Estimated values (Flag e) : 5
Missing values (Flag m) : 0

River Shebelli at Beled Weyn 1976

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4.9	0.0	0.0	0.0	89.7	373.1	52.3	103.2e	149.7e	122.9e	61.3e	58.6e
2	4.9	0.0	0.0	0.0	81.5	367.4	53.0	103.2e	148.4e	121.3e	63.2e	53.8e
3	4.7	0.0	0.0	0.0	80.5	362.3	54.0	103.6e	147.7e	119.4e	64.7e	47.8e
4	4.4	0.0	0.0	0.0	82.6	370.7	54.8	104.0e	146.1e	118.2e	67.8e	42.3e
5	4.2	0.0	0.0	0.0	84.1	356.8	54.6	104.3e	143.5e	116.2e	70.0e	39.1e
6	4.1	0.0	0.0	0.0	84.3	341.0	54.6	104.7e	142.6e	114.1e	71.5e	36.8e
7	4.0	0.0	0.0	0.0	85.4	332.2	52.8	105.1e	142.6e	111.4e	73.4e	34.8e
8	3.9	0.0	0.0	0.0	95.1	313.7	51.2	105.1e	142.6e	106.8e	76.1e	33.3e
9	3.8	0.0	0.0	0.0	106.6	306.2	50.9	105.8e	143.6e	105.0e	79.8e	32.5e
10	3.7	0.0	0.0	0.0	114.0	298.4	50.3	107.1e	145.4e	105.0e	83.3e	31.5e
11	2.8	0.0	0.0	0.0	115.4	287.8	42.4	107.8e	146.8e	103.3e	86.3e	30.2e
12	2.4e	0.0	0.0	15.3	132.4	273.8	38.9	109.1e	147.6e	100.5e	88.9e	28.6e
13	2.0e	0.0	0.0	42.3	141.8	243.4	46.9	112.4e	147.6e	98.8e	92.0e	27.0e
14	1.6e	0.0	0.0	77.3	201.7	198.2	61.9	116.2e	148.2e	97.0e	94.1e	25.8e
15	1.2e	0.0	0.0	92.0	182.0	145.2	80.3	119.0e	150.2e	95.9e	95.7e	24.9e
16	0.8e	0.0	0.0	99.8	185.3	108.7	90.1	123.2e	152.3e	92.1e	97.9e	24.1e
17	0.4e	0.0	0.0	122.6	194.1	88.0	96.2	129.0e	152.7e	86.0e	96.5e	23.3e
18	0.0	0.0	0.0	151.6	204.2	72.0	100.9	132.5e	153.6e	82.6e	92.1e	22.6e
19	0.0	0.0	0.0	171.9	210.6	67.7	105.2	132.8e	154.5e	79.8e	90.9e	21.9e
20	0.0	0.0	0.0	183.2	224.2	65.4	101.5	133.5e	151.0e	76.9e	89.6e	21.2e
21	0.0	0.0	0.0	187.1	247.8	66.5	101.0	134.6e	146.1e	73.3e	87.9e	20.5e
22	0.0	0.0	0.0	191.2	264.7	81.7	103.5	135.2e	144.1e	69.9e	88.9e	19.8e
23	0.0	0.0	0.0	197.3	294.4	101.0	99.6	136.4e	142.7e	67.3e	91.3e	19.2e
24	0.0	0.0	0.0	201.3	310.9e	95.1	97.9	138.3e	142.4e	65.7e	92.5e	18.6e
25	0.0	0.0	0.0	206.6	328.2	84.1	103.8	141.6e	141.4e	64.3e	92.9e	18.0e
26	0.0	0.0	0.0	203.9	337.9	70.1	106.1	145.8e	137.5e	61.9e	90.9e	17.4e
27	0.0	0.0	0.0	189.4	338.5	56.8	106.2	147.4e	129.6e	59.9e	85.8e	17.0e
28	0.0	0.0	0.0	154.3	344.3	54.4	107.6	147.7e	123.8e	58.6e	80.4e	16.7e
29	0.0	0.0	0.0	131.6	359.6	52.8	100.3	149.6e	123.3e	56.9e	72.9e	16.1e
30	0.0		0.0	115.5	368.1	53.5	101.8	152.3e	123.3e	56.8e	64.1e	15.7e
31	0.0		0.0		372.0		105.6	151.6e		58.3e		15.3e
Mean	1.7	0.0	0.0	91.1	202.0	189.6	78.3	123.9	143.7	88.6	82.8	27.6
Maximum	4.9	0.0	0.0	206.6	372.0	373.1	107.6	152.3	154.5	122.9	97.9	58.6
Minimum	0.0	0.0	0.0	0.0	80.5	52.8	38.9	103.2	123.3	56.8	61.3	15.3
Total	5	0	0	236	541	491	210	332	372	237	215	74

(Total flows in million cubic metres per month)

Annual statistics

Mean : 85.8 (cubic metres per second)
Maximum : 373.1 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 2713 (million cubic metres)

Data availability

Original values : 206
Estimated values (Flag e) : 160
Missing values (Flag m) : 0

Comments : August-December data modelled from Mahaddey Weyn: peak flows possibly underestimated

River Shebelli at Beled Weyn 1977

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	15.2e	10.5e	26.4e	13.8	135.0	79.4	35.9	107.7	147.4	168.5	204.2	314.3
2	15.2e	10.1e	24.6e	14.0	170.2	82.9	37.3	107.0	147.5	170.0	204.8	291.0
3	15.2e	10.2e	21.9e	14.7	197.4	77.3	39.6	106.3	147.9	172.2	208.4	280.0
4	15.2e	13.0e	20.5e	15.4	226.1	73.2	42.0	103.5	147.4	173.8	213.7	264.4
5	15.2e	17.3e	20.3e	16.5	232.7	66.3	44.7	103.5	147.4	173.8	216.0	249.6
6	15.2e	18.2e	19.1e	17.6	242.6	63.6	50.8	101.6	147.1	173.2	216.3	238.2
7	15.2e	17.3e	17.8e	20.2	247.6	64.0	49.8	94.9	146.3	170.4	217.8	230.9
8	15.0e	16.8e	16.9e	22.8	252.5	72.2	46.1	94.9	147.4	167.2	219.0	222.8
9	14.7e	16.4e	15.9e	36.5	252.2	77.8	44.2	98.7	147.7	163.0	220.0	203.9
10	14.4e	15.7e	15.3e	82.3	249.9	84.4	43.1	113.5	149.0	159.2	224.5	191.5
11	14.3e	15.9e	15.0e	106.9	253.0	82.1	47.9	117.0	150.4	156.4	229.0	157.2
12	14.3e	17.5e	14.5e	147.5	255.8	83.6	55.9	118.1	151.6	153.8	233.5	142.7
13	14.1e	18.3e	13.7e	156.9	257.0	84.2	59.9	122.6	152.2	152.0	238.6	127.2
14	13.8e	18.2e	13.1e	153.0	256.6	76.4	69.2	125.7	152.3	151.2	245.6	107.1
15	13.7e	17.9e	12.5e	148.1	256.1	80.2	82.5	126.5	153.0	150.4	253.4	87.5
16	13.6e	17.9e	11.6e	145.4	258.2	81.3	102.0	127.5	153.5	151.9	262.1	80.0
17	13.3e	18.0e	10.3e	143.4	257.8	65.7	102.8	130.9	153.5	154.0	275.3	71.2
18	12.8e	17.3e	9.0e	144.1	261.0	56.0	103.5	132.6	153.7	155.9	298.0	63.1
19	12.4e	16.3e	7.9e	145.2	259.2	53.3	103.7	133.3	154.5	157.5	309.5	60.8
20	12.0e	15.5e	7.3e	148.9	251.3	49.4	104.6	133.8	155.6	159.2	329.0	56.0
21	12.0e	14.2e	7.8e	155.8	251.6	43.4	105.5	134.4	155.9	160.2	334.2	53.7
22	12.2e	13.3e	9.3e	161.9	242.1	37.8	106.2	137.3	157.3	162.0	338.2	52.0
23	12.6e	13.0e	11.3e	165.4	217.4	33.0	106.3	140.0	158.4	163.2	343.7	49.1
24	12.7e	13.1e	11.7e	165.1	170.9	30.5	107.0	140.6	158.7	165.8	345.0	47.3
25	12.7e	16.5e	11.6e	151.2	130.4	29.2	106.8	141.2	160.1	172.7	345.0	45.5
26	12.7e	22.1e	12.1e	136.0	98.6	31.6	106.3	143.9	161.3	197.2	345.0	43.6
27	12.7e	25.6e	12.7e	116.6	72.2	32.5	107.2	146.0	162.0	213.4	345.0	41.5
28	12.6e	26.8e	12.9e	115.2	66.1	29.7	108.1	146.1	162.9	196.2	343.9	40.4
29	12.1e		12.8e	113.3e	62.0	34.2	109.2	146.8	164.6	204.5	338.2	39.4
30	11.3e		13.7e	115.1e	69.5	36.1	110.8	147.4	167.1	204.6	329.3	37.8
31	10.9e		14.5e		78.6		110.7	147.4		201.9		33.6
Mean	13.5	16.5	14.3	103.0	201.0	59.7	79.0	124.9	153.8	170.2	274.2	126.6
Maximum	15.2	26.8	26.4	165.4	261.0	84.4	110.8	147.4	167.1	213.4	345.0	314.3
Minimum	10.9	10.1	7.3	13.8	62.0	29.2	35.9	94.9	146.3	150.4	204.2	33.6
Total	36	40	38	267	538	155	212	334	399	456	711	339

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	111.8	(cubic metres per second)
Maximum	:	345.0	(cubic metres per second)
Minimum	:	7.3	(cubic metres per second)
Total	:	3525	(million cubic metres)

Data availability

Original values	:	273
Estimated values (Flag e)	:	92
Missing values (Flag m)	:	0

Comments : The second highest Der season flood peak, followed by a very rapid recession

River Shebelli at Beled Weyn 1978

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	34.7	15.9	10.6	42.8	74.5	47.8	16.3	119.8	190.2	152.5	248.9	39.0
2	32.9	15.8	10.6	41.9	67.7	46.5	16.3	118.1	191.0	152.8	246.5	38.6
3	32.1	15.2	10.9	39.9	61.2	44.2	17.0	123.2	192.0	152.8	246.1	33.7
4	32.2	15.2	13.8	39.0	59.4	41.9	17.7	131.0	192.8	150.9	244.6	38.8
5	32.7	15.0	32.1	38.0	58.3	39.6	17.8	129.9	193.6	150.1	240.3	45.2
6	32.9	14.5	82.0	37.6	75.9	37.7	17.5	131.7	195.9	151.5	235.3	45.6
7	32.0	14.3	101.3	33.5	74.7	37.1	16.9	133.7	197.5	152.3	223.1	44.1
8	31.3	13.8	106.1	32.1	72.7	32.7	16.7	135.0	198.4	159.1	199.0	42.0
9	30.1	13.7	110.3	32.0	71.1	31.3	17.4	135.9	199.6	156.5	163.7	40.7
10	28.4	13.1	114.5	45.1	70.9	30.8	18.3	138.0	200.4	155.1	140.8	38.2
11	27.7	13.1	116.9	60.1	91.9	30.9	24.7	139.3	201.2	154.2	124.3	35.8
12	27.7	13.0	117.0	52.6	114.5	30.3	31.0	140.4	201.9	154.3	108.1	34.9
13	27.6	12.5	116.9	49.8	102.1	29.4	44.9	140.6	202.7	155.5	93.3	33.0
14	27.2	12.3	114.3	51.8	109.0	28.7	58.5	142.5	203.1	155.7	82.5	31.1
15	26.7	11.8	110.9	49.5	116.3	28.6	65.1	145.7	204.1	156.9	73.0	29.2
16	24.7	11.8	111.5	45.0	118.8	28.4	72.2	146.6	204.2	158.9	68.0	27.3
17	23.9	11.5	111.9	40.4	122.7	27.8	74.1	148.2	204.1	159.8	57.6	25.5
18	23.2	11.4	105.2	37.6	128.1	27.6	71.5	153.1	202.4	161.7	48.7	24.5
19	21.7	11.2	94.6	40.2	128.3	27.1	72.6	156.1	199.5	165.2	57.4	23.6
20	21.4	11.2	85.5	42.0	126.4	26.9	80.3	159.2	196.3	169.5	50.4	23.1
21	21.1	11.1	79.7	44.2	119.1	26.5	86.3	163.0	193.2	170.9	48.6	23.6
22	19.8	10.9	81.5	44.9	100.9	25.5	87.0	165.9	188.9	172.3	46.8	22.3
23	20.0	10.9	76.3	39.9	90.2	23.7	87.1	169.3	180.5	175.6	44.6	21.1
24	20.3	10.8	70.4	48.3	86.9	18.5	95.7	171.7	176.8	226.5	44.1	20.6
25	19.3	10.6	65.0	52.4	84.2	18.0	107.5	173.7	169.4	212.2	43.5	19.9
26	18.6	10.6	63.2	64.3	77.1	18.2	109.1	175.9	168.3	193.6	40.9	19.8
27	17.3	10.6	76.7	74.7	71.6	18.0	113.9	179.6	162.8	198.2	40.1	19.7
28	16.5	10.6	51.9	82.4	64.1	17.6	117.1	181.9	158.3	228.6	39.8	17.8
29	15.9		51.5	85.8	57.6	16.9	120.8	183.8	157.3	255.3	39.3	17.6
30	15.9		48.7	83.8	55.1	16.6	121.5	187.2	156.2	243.3	39.0	17.5
31	15.9		48.4		52.4		124.1	188.9		246.7		17.4
Mean	24.9	12.6	77.1	49.0	87.2	29.2	62.5	151.9	189.4	175.8	112.6	29.4
Maximum	34.7	15.9	117.0	85.8	128.3	47.8	124.1	188.9	204.2	255.3	248.9	45.6
Minimum	15.9	10.6	10.6	32.0	52.4	16.6	16.3	118.1	156.2	150.1	39.0	17.4
Total	67	30	207	127	234	76	167	407	491	471	292	79

(Total flows in million cubic metres per month)

Annual statistics

Mean : 83.9 (cubic metres per second)
Maximum : 255.3 (cubic metres per second)
Minimum : 10.6 (cubic metres per second)
Total : 2647 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments :

River Shebelli at Beled Weyn 1979

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	22.9	41.9	51.7	78.1	46.1	137.6	55.6	79.9	71.9	71.0	119.7	19.0
2	22.5	43.2	44.7	64.5	44.5	138.9	53.7	81.1	65.8	72.5	119.4	18.2
3	22.2	44.3	43.5	50.5	47.4	142.5	54.8	81.7	64.0	81.4	120.7	18.0
4	21.3	87.8	41.7	45.9	50.0	146.0	54.5	80.9	62.1	75.9	122.9	19.5
5	20.6	103.0	40.7	65.0	47.4	150.3	51.7	80.9	61.4	69.2	111.3	17.9
6	19.9	110.0	40.0	93.0	42.2	150.8	49.7	79.8	61.3	61.8	83.6	16.9
7	18.8	110.2	36.4	86.0	40.0	151.1	48.3	82.3	61.2	65.7	73.4	16.0
8	18.2	106.3	34.2	70.6	35.6	145.4	47.2	89.8	60.1	72.1	66.0	15.9
9	18.2	99.6	32.9	76.0	32.4	140.3	47.7	93.9	60.3	74.2	58.1	15.4
10	18.2	91.7	30.2	72.6	28.2	133.3	48.0	95.3	61.0	71.4	53.8	14.7
11	18.1	79.1	28.2	68.7	26.0	129.5	47.7	94.0	61.9	64.6	55.6	14.5
12	17.8	72.7	26.8	76.4	26.0	120.8	47.1	100.1	62.7	60.5	53.5	14.3
13	18.2	57.7	23.6	56.1	25.6	106.9	47.9	104.7	63.9	56.2	50.4	14.0
14	18.2	53.7	21.5	45.4	42.3	99.5	48.4	108.0	70.0	50.4	49.0	13.7
15	18.2	50.0	21.4	53.9	85.2	96.1	49.4	109.7	73.7	46.4	47.1	13.3
16	18.2	46.1	19.3	67.3	109.6	96.4	50.8	111.9	75.0	42.8	44.8	12.8
17	18.0	42.5	18.2	77.1	115.8	90.4	56.3	117.4	76.4	39.7	41.0	12.7
18	17.8	40.6	16.6	70.5	119.3	92.6	65.2	121.4	77.9	38.7	35.6	12.3
19	17.5	39.3	15.9	70.3	123.0	93.9	76.7	127.2	82.5	41.0	33.2	12.1
20	17.4	37.7	14.6	75.8	127.3	94.7	80.2	130.4	77.3	85.9	31.2	11.7
21	17.4	38.2	16.4	88.5	130.6	91.4	76.5	132.1	72.1	87.3	29.2	11.2
22	17.1	37.2	71.7	88.0	131.1	75.3	71.4	136.3	66.7	73.4	27.9	10.8
23	16.2	36.8	76.5	85.1	130.4	68.1	66.0	133.8	59.7	67.3	27.1	10.6
24	15.2	37.9	87.4	79.8	122.2	57.2	62.8	133.8	57.1	66.4	25.1	10.3
25	14.8	43.4	99.0	76.0	107.9	55.6	62.1	133.8	57.5	70.4	23.4	10.1
26	13.9	58.9	101.7	77.0	99.9	56.6	62.3	132.6	58.0	97.5	22.5	9.7
27	13.8	66.0	92.9	69.1	99.2	58.0	64.1	129.0	63.1	110.7	21.7	9.3
28	14.4	61.8	90.0	58.7	119.5	55.6	64.9	121.7	67.1	116.3	20.8	8.9
29	30.8		90.6	47.3	141.3	57.6	66.2	105.2	70.5	118.0	19.8	8.8
30	41.8		85.5	43.7	135.1	57.5	68.9	91.9	72.3	119.1	19.2	8.7
31	41.8		80.4		137.2		75.9	82.2		118.6		8.1
Mean	20.0	62.0	48.2	69.2	82.8	103.0	58.8	106.5	66.5	73.8	53.6	13.2
Maximum	41.8	110.2	101.7	93.0	141.3	151.1	80.2	136.3	82.5	119.1	122.9	19.5
Minimum	13.8	36.8	14.6	43.7	25.6	55.6	47.1	79.8	57.1	38.7	19.2	8.1
Total	54	150	129	179	222	267	157	285	172	198	139	35

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	63.0	(cubic metres per second)
Maximum	:	151.1	(cubic metres per second)
Minimum	:	8.1	(cubic metres per second)
Total	:	1988	(million cubic metres)

Data availability

Original values	:	365
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	0

Comments : Minor flood peaks throughout year, but maximum flow lower than in any other year

River Shebelli at Beled Weyn 1980

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.8	6.1	4.5	3.0	16.3	32.7	8.6	65.1	111.7	47.3	30.6	7.2
2	7.0	6.0	4.5	3.4	16.7	26.9	8.1	77.7	111.5	45.4	30.9	7.1e
3	6.8	5.6	4.3	3.5	18.7	23.6	8.0	76.1	111.3	44.3	28.0	7.2e
4	6.8	5.6	4.2	3.4	28.8	20.4	7.8	83.2	108.3	45.6	26.0	7.6e
5	6.8	5.5	4.1	3.1	83.4	18.8	7.7	87.3	101.6	50.8	24.6	7.3e
6	7.1	5.4	4.1	3.0	104.3	17.6	9.4	87.1	90.6	59.5	25.1	7.0e
7	10.4	5.4	4.3	2.9	97.2	17.0	12.0	80.3	83.0	66.0	25.3	7.1e
8	12.3	5.3	4.3	2.7	91.8	16.5	12.8	78.2	75.3	71.3	24.1	7.1e
9	11.4	5.2	4.0	2.7	90.4	15.0	13.6	76.9	66.6	67.6	22.3	7.0e
10	10.9	5.1	3.9	2.6	104.4	13.7	13.5	83.8	59.7	58.1	20.2	6.9
11	10.5	5.0	3.9	2.6	117.3	13.2	13.2	86.1	58.4	54.4	18.7	6.8
12	9.9	4.9	3.8	2.4	117.5	12.1	13.1	83.0	59.8	51.0	17.3	6.5
13	9.3	4.9	3.7	2.4	115.8	11.4	13.2	89.6	64.7	50.8	16.2	6.3
14	8.7	4.7	3.7	2.3	116.1	11.8	15.0	94.7	69.5	52.1	15.1	6.6
15	8.3	4.7	3.5e	2.3	128.1	15.8	19.3	98.9	80.0	62.2	14.2	6.3
16	8.1	4.7	3.4e	2.3	164.5	19.3	27.8	99.9	90.8	64.7	13.4	5.9
17	8.0	4.6	3.4e	3.4	141.4	18.1	31.9	89.4	93.6	61.8	12.5	5.8
18	8.0	5.6	3.2e	9.1	131.6	16.2	31.4	76.7	91.7	59.7	11.7	5.6
19	7.9	6.3	3.1e	8.0	130.3	14.6	35.1	67.5	84.9	57.0	11.1	5.4
20	7.8	6.5	3.1e	6.2	132.9	14.7	36.8	59.6	80.0	52.3	10.6	5.2
21	7.5	6.2	3.1e	31.4	134.5	12.9	34.5	51.4	72.9	48.5	10.0	5.0
22	7.5	6.1	3.0e	63.8	137.3	12.5	31.3	47.1	65.8	47.0	9.5	4.8
23	7.1	5.5	2.8e	48.4	138.0	12.3	29.4	46.6	61.8	48.5	9.2	4.7
24	6.8	4.8	2.8e	35.7	134.5	11.7	28.7	52.1	60.0	43.6	8.5	4.6
25	6.8	4.6	2.7	27.1	110.5	11.1	29.5	61.8	58.8	39.2	7.7	4.5
26	6.8	4.5	2.7	21.7	80.3	10.5	29.9	81.2	58.5	36.3	10.0	4.3
27	6.6	4.5	2.7	18.8	64.7	10.3	32.6	81.3	57.1	36.7	11.3	4.2
28	6.4	4.5	2.6	16.7	49.7	13.3	32.9	82.4	55.6	35.1	11.0	4.1
29	6.3	4.5	2.6	15.3	42.6	10.7	34.8	96.1	56.0	31.8	10.5	4.0
30	6.3		2.6	16.0	39.7	8.9	32.0	109.7	51.1	31.1	9.0	3.9
31	6.1		2.9		38.0		34.9	112.9		30.2		3.8
Mean	8.0	5.3	3.5	12.2	94.1	15.4	22.2	79.5	76.4	50.0	16.5	5.8
Maximum	12.3	6.5	4.5	63.8	164.5	32.7	36.8	112.9	111.7	71.3	30.9	7.6
Minimum	6.1	4.5	2.6	2.3	16.3	8.9	7.7	46.6	51.1	30.2	7.7	3.8
Total	21	13	9	32	252	40	60	213	198	134	43	16

(Total flows in million cubic metres per month)

Annual statistics

Mean : 32.6 (cubic metres per second)
Maximum : 164.5 (cubic metres per second)
Minimum : 2.3 (cubic metres per second)
Total : 1030 (million cubic metres)

Comments : The lowest annual mean flow on record

Data availability

Original values : 348
Estimated values (Flag e) : 18
Missing values (Flag m) : 0

River Shebelli at Beled Weyn 1981

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.6	1.9e	2.0e	249.4	431.0	83.3	25.5e	37.9	149.4	305.5	73.3	20.4
2	3.3	1.9e	2.0	254.3	451.8	76.7	24.9e	38.5	152.0	309.5	68.5	20.0
3	3.2	1.9e	2.0	257.1	473.6	70.9	24.7e	39.7	154.1	315.1	63.6	18.9
4	3.2	1.9e	2.8	262.0	467.9	73.4	24.6e	37.3	154.9	319.6	56.9	18.7
5	3.1	1.9e	3.2	268.2	458.5	69.3	24.2e	34.3	155.9	321.1	52.9	17.9
6	2.9	1.9e	2.9	277.4	449.7	65.0	23.9e	52.3	157.6	320.2	50.7	17.8
7	2.9	1.9e	2.6	282.3	443.3	62.7	23.6	81.8	158.8	316.9	55.4	16.6
8	2.9	1.9e	2.8	290.4	433.9	58.8	22.9	93.7	163.8	312.7	76.3	16.8
9	2.7	1.9e	3.0	298.3	444.2	56.1	20.9	116.7	169.4	311.1	85.1	16.7
10	2.7	1.9e	3.3	306.4	452.1	53.1	20.2	121.3	175.5	306.9	78.1	16.6
11	2.7	1.9e	3.1	325.4	443.9	49.4	19.8	114.5	181.5	295.4	63.7	16.3
12	2.7	1.9e	2.8	337.7	433.6	46.3	19.0	111.8	186.5	279.1	54.0	16.3
13	2.7	1.9e	2.7	356.5	423.1	44.2	18.5	122.9	189.9	261.1	50.1	16.0
14	2.6	1.9e	2.5	357.5	416.2	41.6	17.8	127.2	195.1	240.8	46.7	15.9
15	2.6	1.9e	2.1	358.9	402.2	40.3	17.1	133.9	199.0	237.4	41.7e	15.6
16	2.6	1.9e	4.5	367.3	389.8	37.9	16.7	135.7	206.5	226.7	40.5e	15.2
17	2.4	1.9e	59.0	379.5	373.1	36.5	16.6	135.8	216.2	217.3	39.7e	15.2
18	2.4	1.9e	83.6	392.1	342.9	35.2	15.6	133.2	229.9	211.5	36.1e	14.9
19	2.4	1.9e	84.5	397.7	297.8	34.2	14.9	129.9	231.8	206.4	35.0e	14.5
20	2.4	1.9e	120.3	398.0	266.2	33.6	14.5	127.4	237.2	202.6	34.8e	14.2
21	2.3	1.9e	130.8	399.1	231.0	33.1	14.5	130.2	243.2	199.8	34.3e	13.8
22	2.3	1.9e	135.2	395.9	206.5	32.9	14.2	135.4	250.8	194.8	34.1	13.8
23	2.3	1.9e	140.3	395.8	175.7	32.8	14.1	138.4	257.1	189.6	30.8e	13.8
24	2.3	2.0e	164.7	390.8	151.6	32.6	14.2	141.1	263.6	188.1	27.0	13.5
25	2.1	2.0e	174.2	394.4	135.2	32.1	21.7	143.2	269.3	182.7	26.0	14.1
26	2.1	2.0e	182.8	396.4	128.8	31.1	28.0	143.9	277.5	166.1	24.6	13.8
27	2.1	2.0e	174.9	394.0	124.4	30.1	35.5	144.6	282.3	142.6	23.8	13.4
28	2.1	2.0e	173.8	399.1	119.9	29.4	36.3	144.7	288.7	126.0	22.8	13.1
29	2.0		194.0	407.7	110.2	28.6	36.8	145.6	294.4	105.2	21.9	13.1
30	2.0		215.4	407.2	101.6	26.2	37.8	146.6	301.1	90.2	21.2	12.8
31	2.0		238.9		89.8		37.9	147.6		79.9		12.8
Mean	2.6	1.9	74.7	346.6	318.4	45.9	22.5	112.5	213.1	231.7	45.7	15.6
Maximum	3.6	2.0	238.9	407.7	473.6	83.3	37.9	147.6	301.1	321.1	85.1	20.4
Minimum	2.0	1.9	2.0	249.4	89.8	26.2	14.1	34.3	149.4	79.9	21.2	12.8
Total	7	5	200	898	853	119	60	301	552	621	118	42

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	119.7	(cubic metres per second)
Maximum	:	473.6	(cubic metres per second)
Minimum	:	1.9	(cubic metres per second)
Total	:	3776	(million cubic metres)

Data availability

Original values	:	322
Estimated values (Flag e)	:	43
Missing values (Flag m)	:	0

Comments : An exceptional year: the highest annual mean flow despite 2 months when river dry, the highest flood (in the Gu) and the third highest Der flood

River Shebelli at Beled Weyn 1982

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	12.5	10.4	7.4	10.9	133.8	209.2	32.2e	65.4	141.6	78.0e	235.3	135.1
2	12.5	10.3	7.1	10.9	131.5	205.2	31.8e	66.8	141.9	74.3e	237.5	125.0
3	12.5	10.3	7.0	10.9	124.4	211.9	31.5e	67.8	141.9	71.5e	240.7	112.1
4	12.6	10.3	7.0	10.9	118.2	208.8	31.0e	71.1	141.9	70.2e	244.7	96.7
5	11.9	10.6	8.2	10.6	124.9	204.1	30.8e	69.8	141.9	71.0e	245.4	87.1
6	11.8	10.9	12.9	10.6	128.1	192.7	30.8e	80.6	142.5	75.4e	243.6	87.9
7	11.8	10.9	14.7	10.6	131.0	172.1	30.6e	95.0	144.0	95.7e	240.7	107.8
8	11.5	11.1	14.8	10.6	131.8	149.0	30.2e	99.3	140.7	123.7e	232.0	111.1
9	11.5	10.4	14.0	32.0	132.5	136.8	30.0e	102.8	139.2	117.6e	217.0	101.1
10	11.5	10.3	12.9	48.2	133.1	128.8	30.2e	108.0	139.2	147.5e	215.6	85.0
11	11.2	10.3	11.9	52.1	133.2	113.3	31.0e	111.8	140.3e	183.6e	208.9	81.0
12	11.2	10.2	11.2	51.2	133.5	97.7	34.1e	128.5	140.8e	180.4e	201.7	72.5
13	11.2	9.0	10.9	73.8	133.8	86.5	39.7	125.2	139.6e	179.4e	196.9	66.7
14	11.2	9.6	10.3	89.9	133.8	76.9	48.3	121.0	135.0e	180.9e	196.1	60.3
15	10.9	9.4	9.7	92.7	134.4	70.6	50.4	111.8	127.3e	185.3e	196.1	57.0
16	10.9	9.1	9.2	90.8	135.2	67.0	52.6	106.3	117.3e	185.6e	196.1	53.6
17	10.9	8.9	9.3	93.6	136.4	61.3	54.7	107.9	121.4e	175.0e	196.5	53.3
18	11.2	8.6	10.0	112.2	137.3	53.6	54.2	108.3	127.1e	166.8e	199.7	50.0e
19	11.2	8.3	10.3	118.4	139.7	52.1	55.3	110.1	129.1e	170.0e	197.3	46.3e
20	11.2	8.3	11.4	118.6	141.0	48.5	57.4	114.4	132.5e	173.5e	199.8	42.9
21	11.5	8.1	11.4	121.6	142.1	46.1	59.2	121.4	135.2e	179.5e	203.7	44.3
22	11.5	8.0	12.7	123.4	144.4	44.7	60.8	129.2	137.3e	180.2e	203.8	87.9
23	11.5	7.6	15.3	118.7	146.3	42.5	61.7	134.1	138.1e	178.8e	197.8	101.0
24	11.8	7.3	15.4	97.4	153.8	40.2	57.7	137.6	136.8e	179.8e	189.2	110.3
25	11.9	7.0	14.4	104.5	161.1	38.0	57.2	137.9	129.6e	186.7e	176.2	122.5
26	12.1	7.0	13.3	129.0	172.1	37.4e	56.1	137.9	122.7e	194.5e	168.5	119.0
27	12.1	7.0	12.5	130.1	185.8	36.3e	55.9	137.9	116.0e	197.9e	161.5	111.9
28	11.9	7.0	12.2	128.8	191.0	34.8e	55.7	137.9	106.2e	202.6	151.7	98.9
29	11.8		11.8	133.9	196.5	33.8e	53.3	137.9	95.6e	206.2	147.0	89.1
30	11.5		11.3	135.8	201.0	33.0e	63.1	138.5	90.9e	212.1	141.0	80.7
31	11.5		11.2		204.2		64.2	138.6		219.6		67.0
Mean	11.6	9.2	11.3	76.1	146.6	97.8	46.2	111.6	131.1	156.2	202.7	86.0
Maximum	12.6	11.1	15.4	135.8	204.2	211.9	64.2	138.6	144.0	219.6	245.4	135.1
Minimum	10.9	7.0	7.0	10.6	118.2	33.0	30.0	65.4	90.9	70.2	141.0	42.9
Total	31	22	30	197	393	253	124	299	340	418	525	230

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	90.8	(cubic metres per second)
Maximum	:	245.4	(cubic metres per second)
Minimum	:	7.0	(cubic metres per second)
Total	:	2864	(million cubic metres)

Data availability

Original values	:	299
Estimated values (Flag e)	:	66
Missing values (Flag m)	:	0

Comments :

River Shebelli at Beled Weyn 1983

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	63.7	18.6	21.6	10.9	124.6	139.1	84.4	122.8	243.5	346.8	211.5	75.4
2	57.1	17.9	21.0	10.9	124.4	141.6	76.7	126.2	246.4	349.6	210.1	71.4
3	48.5	17.8	20.6	10.9	123.8	142.6	72.2	126.6	248.6	349.9	208.7	67.8
4	50.5	17.8	20.2	10.9	126.5	144.7	66.4	128.2	252.4	349.9	207.9	64.2
5	49.3	17.4	19.6	10.9	127.0	151.1	61.0	127.4	256.2	350.0	195.4	61.0
6	44.5	16.8	19.4	10.8	128.2	169.0	66.0	125.3	261.9	351.4	173.9	60.4
7	40.9	17.7	20.4	10.7	128.9	179.0	91.6	126.8	270.5	350.8	160.2	52.3
8	37.8	17.8	23.1	10.3	131.0	188.9	92.2	133.5	282.5	350.8	145.6	48.4
9	36.3	18.0	23.0	9.5	131.7	196.8	88.4	138.9	294.1	351.2	136.0	43.6
10	35.7	21.5	22.3	9.4	129.1	207.6	77.4	127.9	304.9	352.3	134.6	44.6
11	34.5	23.4	22.2	9.2	121.4	210.9	72.4	127.2	310.5	343.2	135.1	44.4
12	32.7	24.5	21.9	9.6	113.0	211.7	66.2	125.8	316.1	328.6	134.3	38.1e
13	31.7	26.5	21.8	13.0	101.6	216.8	61.0	132.6	322.4	318.4	129.9	39.8e
14	32.5	33.0	21.0	14.5	91.6	222.9	60.7	144.4	330.5	314.1	122.6	36.7e
15	32.8	35.4	19.8	15.9	83.4	227.1	61.3	149.1	331.9	330.1	121.9	33.8
16	32.0	26.7	19.0	19.5	74.8	231.0	61.9	152.6	336.0	312.9	111.1	33.8
17	30.6	24.9	18.2	56.5	72.3	231.7	61.3	158.9	338.2e	305.6	113.0	35.8
18	28.3	24.0	17.1	69.5	80.1	231.6	61.5	166.3	341.1	300.4	113.3	35.6
19	27.2	23.2	15.6	60.8	98.7	229.3	63.8	170.1	347.4	289.1	111.7	35.3
20	26.3	23.4	13.9	56.4	90.9	221.3	62.9	180.7	361.8	279.4	110.7	35.6
21	25.8	22.2	12.9	56.6	79.1	211.1	62.7	185.9	353.1	269.6	110.7	35.4
22	24.9	24.9	12.5	57.3	75.9	197.3	63.3	192.9	347.5	262.0	111.4	34.6
23	24.0	24.1	12.5	61.9	75.5	173.8	63.4	200.2	345.0	256.2	111.4	33.7
24	23.2	22.9	12.4	100.7	89.0	153.7	63.0	207.1	345.0	251.0	109.9	32.7
25	22.7	23.0	11.3	105.1	99.8	139.0	48.7	211.9	344.9	240.9	109.5	31.9
26	21.9	22.3	11.2	109.6	115.7	125.9	51.4	219.2	344.3	231.8	102.9	30.7
27	21.8	21.9	11.2	115.1	124.4	117.5	66.8	223.7	345.6	222.7	92.1	29.7
28	21.0	21.8	11.2	117.2	131.9	111.5	67.5	229.9	345.8	215.6	86.2	29.5
29	20.2		11.2	121.4	133.7	101.2	85.5	235.1	346.6	211.9	82.8	28.7
30	19.4		10.9	124.3	134.0	88.5	98.1	236.5	346.6	211.5	81.6	28.2
31	19.2		11.2		136.4		116.0	241.3		211.5		27.7
Mean	32.8	22.5	17.1	46.6	109.6	177.1	70.8	166.9	315.4	297.1	132.9	42.0
Maximum	63.7	35.4	23.1	124.3	136.4	231.7	116.0	241.3	361.8	352.3	211.5	75.4
Minimum	19.2	16.8	10.9	9.2	72.3	88.5	48.7	122.8	243.5	211.5	81.6	27.7
Total	88	54	46	121	294	459	190	447	817	796	344	112

(Total flows in million cubic metres per month)

Annual statistics

Mean : 119.5 (cubic metres per second)
Maximum : 361.8 (cubic metres per second)
Minimum : 9.2 (cubic metres per second)
Total : 3768 (million cubic metres)

Data availability

Original values : 361
Estimated values (Flag e) : 4
Missing values (Flag m) : 0

Comments : The second highest annual mean flow due to an extended Der flood with the highest peak ever recorded in that season

River Shebelli at Beled Weyn 1984

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	26.7	18.2	12.8	9.1	17.5	50.3	41.3e	94.8	69.4	174.4	31.8	13.9e
2	26.7	18.2	12.8	9.2	13.5	96.5	67.7	89.4	64.6	170.9	27.0	13.6e
3	26.3	17.8	12.8	9.7	13.2	92.8	70.1	79.3	60.1	160.8	26.2	13.4e
4	25.8	17.8	12.7	9.7	11.0e	91.1	76.7	71.7	61.9	153.8	24.5	13.2e
5	25.2	17.4	11.9	9.9	9.8e	79.5	67.6	76.1	62.0	143.5	23.2	13.0e
6	24.7	17.4	11.5	9.7	11.1e	73.6	66.8	97.6	67.9	136.6	22.3	12.8e
7	24.5	17.1	11.5	9.7	13.6e	78.5	63.2	103.4	109.6	123.8	21.9	12.3e
8	24.4	17.0	11.5	9.7	9.9	81.2	58.5	101.6	113.0	114.7	21.4e	11.8e
9	24.0	16.7	11.2e	9.7	9.4	72.8	55.9	104.2	107.2	108.4	21.1e	11.4e
10	24.0	16.3	11.6e	9.7	9.4	66.8	53.3	109.2	99.6	99.4	20.6e	11.2e
11	23.6	16.3	11.9e	9.4	9.2	92.4	51.4	119.4	101.9	89.5	20.0e	11.1e
12	23.5	16.3	11.0e	9.4	9.0	92.3	50.7	125.3	113.3	81.4	19.6e	10.9e
13	23.2	16.0	11.2e	9.2	8.6	76.6	48.9	124.6	125.8	75.8	19.3e	10.6e
14	23.1	15.9	10.8e	9.1	8.3	57.3	48.6	124.8	130.2	68.9	18.8e	10.3e
15	22.7	15.6	10.2e	8.9e	8.1	53.9	47.7	122.9	133.0	68.4	18.5e	10.0e
16	22.3	15.5	11.0e	8.9e	8.0	52.2	47.7	116.1	133.2	49.6	18.2e	9.5e
17	22.2	15.2	11.0e	8.8e	8.0	49.1	43.8e	114.3	133.2	48.8	17.9	9.1e
18	21.8	15.2	11.0e	8.9e	8.9	46.9	42.0e	109.7	134.3	41.6	18.6	8.9e
19	21.4	14.9	10.9e	9.2e	26.2	42.7	35.9e	113.0e	136.5	41.3	18.9	8.7e
20	21.0	14.8	10.6	9.8e	84.9	37.1	33.7e	116.8e	137.3	43.5	18.6	8.5e
21	20.6	14.5	10.6	20.4e	94.2	32.6	30.8e	119.5e	140.6	47.6	17.8	8.2e
22	20.2	14.5	10.6e	16.6e	95.7	32.6	29.9e	122.8e	146.3	49.4	17.0	8.2e
23	19.8	14.2	10.5e	11.1e	93.2	33.0	27.1e	126.1e	179.3	49.6	16.3	9.1e
24	19.8	14.2	10.6e	13.1e	92.6	31.2	24.9e	129.1e	154.4	50.0	16.0	10.5e
25	19.4	14.2	10.4e	15.5e	91.1	27.7	24.6e	129.8	149.0	50.2	15.9	10.5e
26	19.3	14.0	10.3e	14.7e	87.9	27.3e	31.3e	122.9	149.0	45.5	15.3	9.6e
27	19.0	13.5	10.0	15.6e	76.8	27.6e	54.9e	112.8	152.5	40.0	15.2	8.8e
28	19.0	13.1	10.0	15.3e	68.5	28.6	76.8e	104.4	157.6	36.3	14.8	8.1e
29	18.6	12.8	9.7	13.3e	57.3	29.3e	78.3e	96.6e	169.0	34.7	14.2	7.7e
30	18.6		9.4	17.9e	52.0	32.3e	98.8e	70.5e	171.9	33.7	14.2	7.9e
31	18.6		9.2		47.3		100.8e	67.7e		33.5		8.8e
Mean	22.3	15.7	11.0	11.4	37.2	56.2	53.2	107.0	122.1	79.5	19.5	10.4
Maximum	26.7	18.2	12.8	20.4	95.7	96.5	100.8	129.8	179.3	174.4	31.8	13.9
Minimum	18.6	12.8	9.2	8.8	8.0	27.3	24.6	67.7	60.1	33.5	14.2	7.7
Total	60	39	29	29	100	146	143	287	317	213	51	28

(Total flows in million cubic metres per month)

Annual statistics

Mean : 45.5 (cubic metres per second)
Maximum : 179.3 (cubic metres per second)
Minimum : 7.7 (cubic metres per second)
Total : 1440 (million cubic metres)

Data availability

Original values : 261
Estimated values (Flag e) : 105
Missing values (Flag m) : 0

Comments : Easily the latest ever start to the Gu flood and a low-flow year overall

River Shebelli at Beled Weyn 1985

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10.9	5.6	4.7	21.6	189.5	350.9	41.8	92.9e	123.1	110.6	58.8	14.5
2	10.9	5.6	4.4	69.2	188.2	351.1	41.8	103.0e	116.2	108.7	57.5	14.5
3	10.9	5.6	4.3	82.8	188.4	339.0	41.3	103.3e	112.5	104.8	48.9	13.8
4	10.6	5.6	4.1	80.3	194.7	250.7	41.2	97.3e	109.8	106.9	36.4	13.5
5	10.6	5.6	4.1	68.4	199.3	185.2	41.2	99.7e	108.7	107.4	29.8	13.5
6	10.3	5.4	4.0	45.5	211.9	165.1	40.0e	111.0e	106.2	98.7	27.6	13.1
7	9.4	5.4	3.9	44.3	218.3	147.6	38.8e	117.4	105.0	90.6	26.0	12.8
8	8.9	5.4	3.8	41.3	232.9	137.5	38.2e	122.3	112.8	79.1	20.9	12.5
9	8.3	5.4	3.6	31.6	242.3	122.7	39.5e	121.8	118.7	74.0	19.4	12.5
10	8.1	5.4	3.2	29.8	242.4	105.1	38.9e	122.6	121.5	68.0	18.6	12.2
11	8.0	5.2	3.4	24.5	242.4	99.3	38.1e	123.7	117.9	66.4	17.9	12.1
12	8.0	5.2	3.2	22.9	243.6	93.1	36.6e	125.5	111.5	59.3	17.8	11.9
13	7.8	5.2	3.2	21.9	246.9	82.4	33.2e	126.4	107.0	59.8	18.2	11.8
14	7.8	5.2	3.1	29.4	250.1	75.3	31.8e	126.5	103.0	53.0	18.6	11.5
15	7.8	5.2	3.0	52.8	252.5	72.6	30.7e	126.5	104.7	66.6	19.0	11.5
16	7.5	5.0	3.0	98.0	257.6	65.4	30.4e	126.5	106.8	77.9	19.4	11.2
17	7.5	4.9	2.9	106.2	265.0	60.3	30.0e	128.6	104.0	74.5	20.0	11.2
18	7.3	5.0	2.9	119.0	268.9	58.0	29.8e	130.9	95.2	68.3	22.9	10.9
19	6.8	5.1	2.7	126.3	273.1	53.9	29.8e	130.3	90.8	69.9	23.0	10.6
20	6.5	5.2	2.7	127.6	277.7	49.8	32.9e	138.1	99.1	67.4	21.8	10.6
21	6.5	5.0	2.7	129.8	287.1	46.8e	41.0e	134.8	107.1	59.4	19.9	10.3
22	6.3	4.9	2.6	132.4	289.9	44.3	51.2e	132.5	103.2	53.6	19.8	10.3
23	6.3	4.9	2.6	134.7	306.7e	43.6	62.8e	132.5	94.2	49.7	19.4	10.0
24	6.3	5.0	2.6	142.2	324.5	43.4	62.1e	132.5	90.2	49.0	19.0	10.0
25	6.1	5.1	2.4	159.7	324.5	46.2	60.7e	132.6	91.2	44.4e	18.6	9.7
26	6.1	5.2	2.4	173.8	325.0	44.9	61.8e	133.8	98.1	40.9e	17.8	9.4
27	6.0	5.1	2.6	174.6	333.9	42.5	66.0e	135.2	97.4	37.5e	17.0	9.4
28	5.8	4.9	5.4	177.5	341.8	41.8	66.4e	137.6	96.2	32.9e	16.3	9.4
29	5.8		5.5	180.3	346.5	41.8	66.7e	137.0	101.0	29.3e	15.2	9.2
30	5.8		4.6	184.4	349.2	41.8	70.1e	133.8	107.7	32.8	14.5	9.1
31	5.8		6.0		352.9		72.8e	127.9		37.4		8.9
Mean	7.8	5.2	3.5	94.4	266.7	110.1	45.4	124.0	105.4	67.1	24.0	11.4
Maximum	10.9	5.6	6.0	184.4	352.9	351.1	72.8	138.1	123.1	110.6	58.8	14.5
Minimum	5.8	4.9	2.4	21.6	188.2	41.8	29.8	92.9	90.2	29.3	14.5	8.9
Total	21	13	9	245	714	285	122	332	273	180	62	30

(Total flows in million cubic metres per month)

Annual statistics

Mean : 72.5 (cubic metres per second)
Maximum : 352.9 (cubic metres per second)
Minimum : 2.4 (cubic metres per second)
Total : 2286 (million cubic metres)

Comments :

Data availability

Original values : 326
Estimated values (Flag e) : 39
Missing values (Flag m) : 0

River Shebelli at Beled Weyn 1986

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.8	5.6	4.5	4.8	136.4	157.7	106.2	90.8	122.4e	121.8	76.7e	12.0e
2	8.6	5.6	4.3	4.9	137.3	157.9	113.5	86.7	111.8e	111.4	68.2e	11.9e
3	8.3	5.6	4.3	4.6	140.4	161.2	116.9	86.3	107.8e	99.5	66.1e	11.9e
4	8.0	5.4	4.3	4.5	141.2	164.5	119.0	102.2	95.5e	95.6	53.1e	11.9e
5	7.8	5.4	4.3	4.3	142.0	165.8	123.0	114.3	94.5e	84.4	49.5e	11.8e
6	7.5	5.4	4.1	4.1	143.8	162.1	130.9	126.3	107.3e	63.5	44.8e	11.8e
7	7.5	5.2	4.1	4.1	143.9	148.1	133.9	130.1	113.0	74.8	42.0e	11.7e
8	7.5	5.1	4.1	4.0	143.8	135.9	137.0	125.9	120.7	75.2	40.5e	11.7e
9	7.3	5.0	4.2	4.8	141.9	128.3	137.1	116.9	127.9	68.7	34.9e	11.7e
10	7.3	4.9	5.3	6.0	138.8	119.5	135.0	107.7	126.3	76.0	31.5e	11.6e
11	7.3	4.9	6.4	7.2	129.6	121.7	130.1	109.5	117.0	78.5	30.6e	11.6e
12	7.5	4.9	7.1	6.6	112.8	123.1	120.0	121.6	107.9	87.8	29.8e	11.5e
13	7.7	4.8	6.1	5.9	100.8	117.4	107.6	118.5	99.2	101.5	28.1e	11.5e
14	7.7	4.7	5.8	5.6	94.9	113.6	96.6	110.0	90.8	99.7	24.9e	11.5e
15	7.3	4.7	5.7	11.6	85.7	108.5	89.6	116.9	82.8	92.3	21.8e	11.4e
16	7.0	4.7	6.5	92.8	81.7	96.7	81.6	122.9	76.1	82.8	20.9e	11.4e
17	6.6	4.7	7.5	111.7	62.5	89.8	76.0	130.9	78.9	75.0	16.3e	11.3e
18	6.5	4.7	8.0	119.6	46.1	83.1	75.0	133.7	93.6	67.9	15.7e	11.3e
19	6.3	4.7	7.3	97.4	39.1	78.8	75.3	135.3	105.9	64.3	15.3e	11.3e
20	6.5	4.7	7.3	104.7	40.7	75.8	91.2	138.4	111.8	64.1	14.8e	11.2e
21	6.5	4.7	7.3	121.6	88.1	74.2	99.6	139.9	122.5	50.4e	14.4e	11.2e
22	6.5	4.7	7.3	125.2	107.4	72.8	100.0	141.3	139.5	48.3e	13.9e	11.2e
23	6.3	4.7	8.2	128.5	123.7	72.5	99.3	143.1	131.4	50.0e	12.3e	11.1e
24	6.3	4.8	8.1	131.0	132.4	68.4	100.8	142.1	133.8	58.0e	12.2e	11.1e
25	6.3	4.9	7.3	133.7	137.7	64.1	101.8	143.8	137.0	98.9e	12.2e	11.0e
26	6.1	4.9	6.8	134.4	140.5	60.1	102.7	143.6	137.8	96.9e	12.2e	11.0e
27	6.0	4.9	6.3	134.0	142.7	59.2	100.8	138.2	136.6	84.7e	12.1e	11.0e
28	5.8	4.7	5.9	135.0	147.1	66.7	95.9	137.8	128.3	67.2e	12.1e	10.9e
29	5.8		5.8	134.5	151.4	71.2	95.0	137.2	129.6	56.8e	12.1e	10.9e
30	5.8		5.7	134.6	154.3	76.5	95.7	137.2	127.3	45.5e	12.0e	10.8e
31	5.8		5.4		157.5		95.4	126.2e		60.7e		10.8e
Mean	7.0	5.0	6.0	64.1	118.9	106.5	105.9	124.4	113.8	77.5	28.4	11.4
Maximum	8.8	5.6	8.2	135.0	157.5	165.8	137.1	143.8	139.5	121.8	76.7	12.0
Minimum	5.8	4.7	4.1	4.0	39.1	59.2	75.0	86.3	76.1	45.5	12.0	10.8
Total	19	12	16	166	319	276	284	333	295	208	74	31

(Total flows in million cubic metres per month)

Annual statistics

Mean : 64.4 (cubic metres per second)
Maximum : 165.8 (cubic metres per second)
Minimum : 4.0 (cubic metres per second)
Total : 2031 (million cubic metres)

Data availability

Original values : 286
Estimated values (Flag e) : 79
Missing values (Flag m) : 0

Comments : Reasonable flows maintained through the usual June/July minimum

River Shebelli at Beled Weyn 1987

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	9.4	5.2	3.9	36.3	92.2	253.6	87.9	46.0	39.9	83.4	60.2	11.2
2	8.6	5.2	3.8	35.1	87.7	263.3	83.2	52.0	33.3	94.2	79.2	13.3
3	8.5	5.2	3.7	33.1	79.2	274.2	81.1	56.8	31.7	106.6	94.1	13.1
4	8.5	5.1	3.6	31.6	74.1	295.6	77.7	55.9	29.0	111.9	93.5	12.4
5	8.1	5.0	3.6	30.6	65.5	320.3	73.8	54.6	27.3	109.3	97.4	11.0
6	7.8	4.9	3.6	30.3	50.3	337.5	71.4	52.7	28.3	101.0	103.3	10.6
7	7.8	4.9	3.6	32.5	51.0	353.1	69.7	50.3	37.4	94.2	106.4	10.3
8	7.5	4.9	3.6	35.5	54.9	370.6	66.6	48.8	48.2	100.2	110.4	10.0
9	7.5	4.9	3.6	47.2	64.6	373.0	65.4	45.9	50.1	97.4	87.7	9.8
10	7.5	4.9	3.7	52.6	75.6	392.4	64.0	43.5	53.8	92.1	68.3	10.5
11	7.3	4.8	3.8	72.1	90.7	397.7	62.0	41.3	60.1	82.8	59.8	10.3
12	7.0	4.7	3.9	73.5	79.6	411.8	60.5	39.2	60.8	75.5	50.2	10.0
13	7.0	4.7	4.0	75.9	77.2e	419.6	57.3	33.4	63.3	75.6	49.4	9.5
14	6.8	4.7	4.1	97.0	131.4e	418.0	55.8	31.3	76.2	83.6	46.8	9.4
15	6.8	4.7	4.3	107.3	133.8e	410.3	61.6	31.9	96.5	82.3	32.8	9.2
16	6.5	4.7	4.8	115.0	135.3	403.9	62.7	31.1	91.5	65.0	28.6	9.1
17	6.3	4.7	5.5	118.9	143.8	395.3	63.8	31.0	83.7	60.5	25.6	8.9
18	6.3	4.7	5.6	122.5	163.2	386.3	60.8	29.1	79.8	56.3	25.2	8.8
19	6.1	4.6	5.0	123.7	158.8	370.7	60.2	28.7	88.5	60.0	23.6	8.6
20	6.0	4.7	4.5	127.2	158.8	365.0	57.3	27.7	78.4	102.5	21.9	8.6
21	5.4	4.7	4.3	131.3	169.8	344.8	54.9	26.7	63.7	100.7	20.6	8.3
22	5.4	4.7	4.1	133.0	189.5	306.2	56.4	25.8	66.9	92.9	19.8	8.3
23	5.4	4.5	4.0	132.4	191.1	279.9	56.2	25.0	106.0	91.3	19.0	8.1
24	5.4	4.5	4.7	129.9	219.3	236.5	59.5	25.4	108.7	76.7	17.8	8.0
25	5.4	4.3	7.8	117.2	210.4	183.4	56.7	26.3	94.4	74.7	16.7	7.8
26	5.6	4.3	13.9	102.7	200.4	159.4	54.6	27.4	83.8	69.8	15.9	7.8
27	5.6	4.1	43.7	88.8	202.1	143.7	52.1	31.4	82.5	65.6	14.9	7.5
28	5.6	4.0	57.6	81.6	202.6e	130.2	50.9	34.1	69.7	62.6	14.2	7.5
29	5.4		59.3	83.1	212.7e	119.9	50.7	36.9	61.6	59.6	13.8	7.5
30	5.4		44.7	91.1	233.9	96.6	49.6	40.6	62.7	60.8	12.7	7.3
31	5.4		38.0		242.5		49.3	43.8		63.5		7.3
Mean	6.7	4.7	11.8	83.0	136.8	307.1	62.4	37.9	65.3	82.3	47.7	9.4
Maximum	9.4	5.2	59.3	133.0	242.5	419.6	87.9	56.8	108.7	111.9	110.4	13.3
Minimum	5.4	4.0	3.6	30.3	50.3	96.6	49.3	25.0	27.3	56.3	12.7	7.3
Total	18	11	31	215	367	796	167	101	169	221	124	25

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	71.2	(cubic metres per second)
Maximum	:	419.6	(cubic metres per second)
Minimum	:	3.6	(cubic metres per second)
Total	:	2245	(million cubic metres)

Data availability

Original values	:	360
Estimated values (Flag e)	:	5
Missing values (Flag m)	:	0

Comments : The second highest flood peak on record (Gu season), followed by the lowest recorded Der season peak

River Shebelli at Beled Weyn 1988

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	7.0	4.5	2.9	2.3	139.8	28.0	21.7	48.8	174.2	178.0	220.8	28.6
2	7.0	4.5	2.7	2.3	141.2	26.8	20.1	61.2	176.4	178.8	223.9	28.1
3	6.8	4.4	2.7	2.3	141.3	23.6	17.9	64.0	180.3	179.7	226.9	26.8
4	6.8	4.3	2.7	2.3	143.4	21.3	17.3	64.8	182.8	183.1	225.6	27.1
5	6.5	4.3	2.7	2.3	149.9	20.2	19.8	74.9	184.6	186.6	222.3	26.3
6	6.5	4.1	2.6	2.3	147.4	19.3	17.6	83.1	187.5	189.6	212.9	25.8
7	6.3	4.1	2.6	2.6	140.0	17.9	22.7	74.7	189.6	193.2	200.9	24.8
8	6.3	4.0	2.6	4.7	114.2	17.4	22.0	73.7	189.2	196.7	181.4	23.2
9	6.3	3.9	2.6	13.5	95.3	15.9	23.0	109.7	187.7	198.3	152.4	23.1
10	6.1	3.7	2.6	17.2	80.8	14.5	21.9	121.5	185.5	200.3	124.7	22.7
11	6.1	3.7	2.6	12.4	70.3	13.8	22.3	126.2	182.4	200.5	100.2	21.8
12	6.0	3.7	2.6	10.5	59.1	12.6	23.6	126.5	182.4	199.6	91.2	21.0
13	5.8	3.6	2.6	11.6	54.0	11.7	24.8	127.5	182.0	191.8	81.0	20.6
14	5.8	3.6	2.6	14.7	49.9	10.4	24.0	128.5	180.9	177.6	72.6	20.2
15	5.8	3.6	2.6	15.3	46.9	9.4	23.6	130.4	181.7	168.0	64.8	19.8
16	5.6	3.4	2.6	16.3	43.9	8.9	23.3	131.3	181.7	165.6	59.4	19.4
17	5.6	3.4	2.7	17.3	41.6	8.3	26.1	134.5	182.4	170.1	49.5	19.7
18	5.6	3.4	2.7	16.0	38.9	8.0	46.7	137.1	182.5	172.4	42.1	19.3
19	5.4	3.4	2.7	14.1	35.2	7.8	47.8	139.2	183.5	175.2	39.0	18.6
20	5.4	3.2	2.7	69.7	32.6	7.8	49.2	141.3	180.1	177.9	36.4	18.2
21	5.4	3.2	2.7	107.9	30.1	8.5	53.8	143.9	174.1	178.0	36.2	17.8
22	5.2	3.2	2.7	120.5	27.7	9.3	46.9	146.6	172.5	176.7	36.2	17.5
23	5.2	3.4	2.7	117.4	25.4	20.3	44.6	148.6	172.3	175.7	36.1	18.9
24	5.1	3.2	2.6	118.8	22.9	22.7	41.8	150.5	171.2	180.7	33.7	19.4
25	5.0	3.2	2.6	119.3	25.1	24.7	40.1	155.7	172.3	182.4	32.5	19.8
26	4.9	3.2	2.4	125.6	34.7	23.5	54.6	162.8	172.4	184.0	30.5	19.8
27	4.9	3.0	2.4	129.5	36.7	21.9	61.1	169.2	173.2	188.2	28.2	19.4
28	4.8	3.0	2.4	131.6	36.4	21.1	63.7	170.4	174.4	194.8	27.1	19.4
29	4.7	2.9	2.4	135.4	31.7	21.4	60.5	171.3	174.7	200.7	30.7	19.3
30	4.7		2.4	138.2	29.0	21.1	55.0	170.3	176.6	209.6	29.6	18.6
31	4.7		2.4		27.8		52.4	171.3		221.7		18.6
Mean	5.7	3.6	2.6	49.8	67.5	16.6	35.2	124.5	179.7	186.3	98.3	21.4
Maximum	7.0	4.5	2.9	138.2	149.9	28.0	63.7	171.3	189.6	221.7	226.9	28.6
Minimum	4.7	2.9	2.4	2.3	22.9	7.8	17.3	48.8	171.2	165.6	27.1	17.5
Total	15	9	7	129	181	43	94	333	466	499	255	57

(Total flows in million cubic metres per month)

Annual statistics

Mean : 66.1 (cubic metres per second)
Maximum : 226.9 (cubic metres per second)
Minimum : 2.3 (cubic metres per second)
Total : 2089 (million cubic metres)

Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments : An average year with a long Der flood compensating for a short Gu flood; neither peak flood was exceptional

River Shebelli at Beled Weyn 1989

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	18.2	14.2	14.7	80.4	196.2	104.8	38.0	63.8	56.2	64.2	91.2	56.3e
2	18.2	14.5	14.2	57.8	202.5	88.5	37.7	69.9	55.7	80.1	79.7	67.4e
3	18.2	14.5	14.4	92.1	206.5	74.1	37.2	67.6	63.6	121.6	72.1	61.3e
4	17.8	14.5	14.9	114.7	216.2	68.0	36.8	79.3	81.8	130.2	65.3	52.2e
5	17.8	14.1e	14.6	98.4	221.3	67.9	36.6	90.3	78.7	134.5	60.2	39.1
6	17.4	13.8e	13.8	71.3	227.4	63.6	36.2	85.5	79.1	134.5	56.3	34.2
7	17.4	13.6	13.7	76.6	231.2	59.5	36.1	74.4	89.6	134.7	53.1	30.6
8	17.8	13.1	13.2	96.2	236.2	55.0	35.7	71.6	103.6	135.7	49.7	27.7
9	18.1	13.2	12.5	119.1	244.0	51.7	35.4	72.2	117.8	137.4	46.4	26.3
10	17.7	13.6	12.5	129.5	252.2	49.2	34.7	55.9	125.1	137.7	43.7	25.0
11	16.4	13.7	12.4	135.9	263.0	48.2	34.5	49.7	125.9	134.4	40.7	23.8
12	16.3	13.4	12.2	140.6	273.2	45.1	34.0	47.3	123.2	126.5	40.0	23.1
13	16.0	13.1	12.4	144.6	284.4	44.2	33.5	46.9	117.5	126.2	40.6	23.1
14	15.9	13.1	12.2	144.6	294.9	44.6	32.9	43.9	111.3	119.5	38.5	22.9
15	15.6	13.0	12.2	146.0	298.6	46.2	32.4	41.6	110.6	100.3	37.5	22.5
16	15.5	13.0	12.2	150.4	291.5	44.1	31.8	41.1	105.9	95.4	37.9	23.4
17	14.6	13.7	12.2	154.8	281.9	41.9	30.9	40.2	98.9	115.9	37.3e	24.0
18	14.5	14.4	12.1	165.1	247.7	41.5e	31.0	39.0	110.8	131.7	37.0e	37.6
19	14.2	15.2	11.8	181.4	227.4	45.2e	32.1	37.9	104.4	133.7	37.0e	79.6
20	14.2	16.5	11.8	190.6	216.7	49.0e	32.4	35.6	93.7	131.2	37.1	76.6
21	14.8	17.9	11.8	199.3	206.1	46.8	33.4	37.9	94.9	118.9	32.6	68.9
22	15.2	20.0	11.7	206.5	202.0	42.7	33.5	39.9	82.2e	133.3e	31.7e	64.6
23	14.8	24.3	11.5	209.4	200.6	43.5	32.1	37.9	76.5	147.9	30.8	54.2
24	14.2	22.3	11.4	211.9	200.7	44.2	32.2	43.2e	74.3e	139.0	34.6	50.0
25	14.2	20.5	11.2	212.4	203.5	46.3	32.9	51.7	75.4e	136.5	32.2	45.5
26	14.8	18.1	11.3	209.6	194.8	46.4	33.8	56.4	77.5	141.2	29.0	47.5
27	14.5	17.3	11.5	204.6	184.5	45.3	38.6	60.6	86.1	144.6	26.3	62.5
28	14.5	15.6	11.5	199.2	166.5	43.5	52.0	54.6	74.0	142.7	26.7	68.3
29	14.5		11.5	191.9	152.3	41.8	55.3	53.1	67.2	131.8	27.7	65.4
30	14.2		38.2	188.9	136.8	39.6	54.2	55.1	65.4	111.8	27.7	60.9
31	14.5		75.5		120.5		54.0	57.6		104.2		54.6
Mean	15.9	15.5	15.4	150.8	222.0	52.4	36.8	54.9	90.9	125.1	43.4	45.8
Maximum	18.2	24.3	75.5	212.4	298.6	104.8	55.3	90.3	125.9	147.9	91.2	79.6
Minimum	14.2	13.0	11.2	57.8	120.5	39.6	30.9	35.6	55.7	64.2	26.3	22.5
Total	43	38	41	391	595	136	99	147	236	335	112	123

(Total flows in million cubic metres per month)

Annual statistics

Mean : 72.7 (cubic metres per second)
Maximum : 298.6 (cubic metres per second)
Minimum : 11.2 (cubic metres per second)
Total : 2294 (million cubic metres)

Data availability

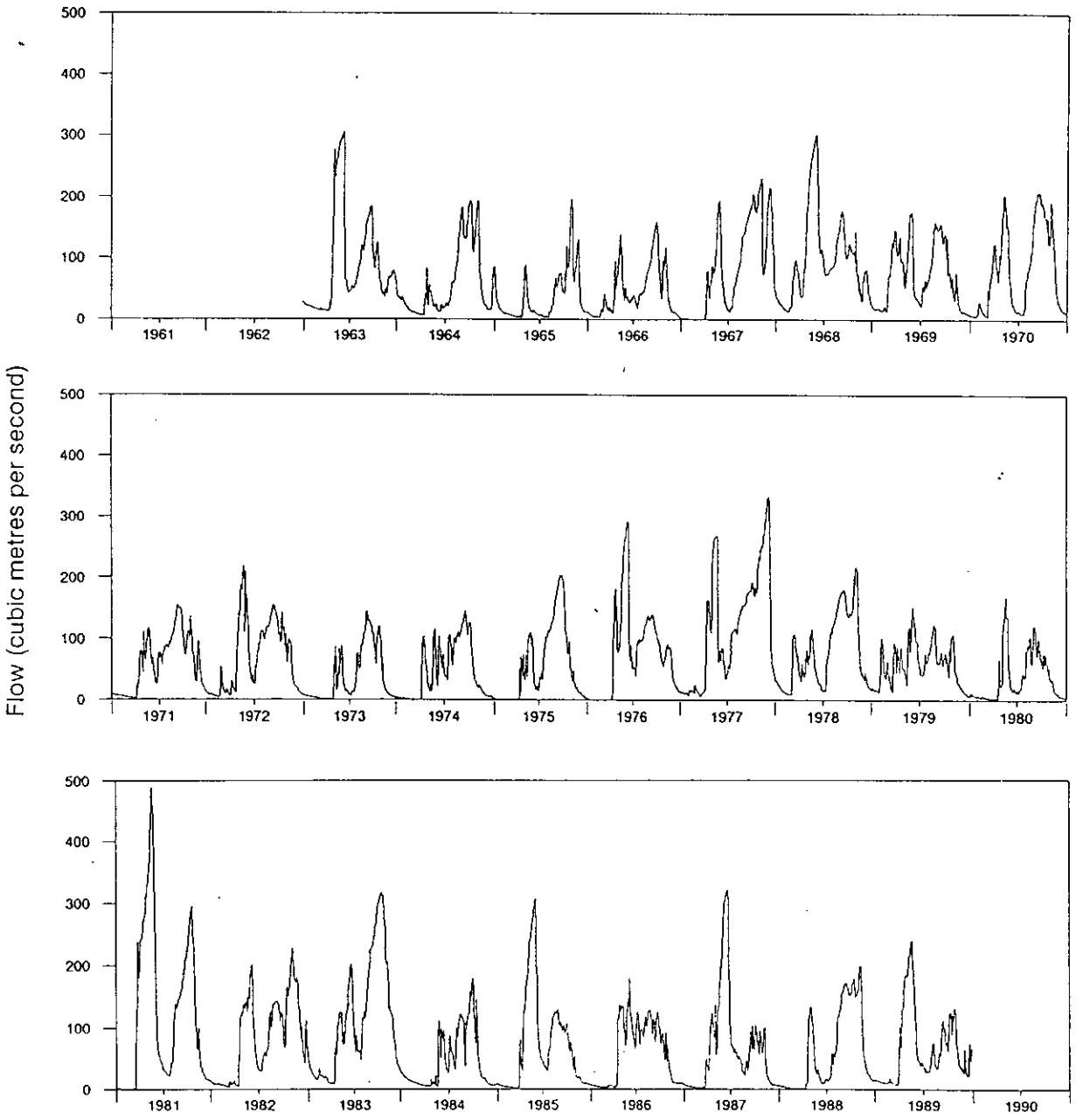
Original values : 347
Estimated values (Flag e) : 18
Missing values (Flag m) : 0

Comments : A substantial Gu flood, but little in the Der. Mean flow close to average

BULO BURTI

1963 - 1989

River Shebelli: Daily mean flows for Bulo Burti
for the period 1963 - 1989



River Shebelli at Bulo Burti 1963

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	28.4e	20.6e	15.8e	14.1e	211.3e	295.5	46.4	73.3	142.6	96.1	47.1	69.5
2	27.7e	20.5e	15.7e	13.8e	239.2e	297.2	46.8	75.2	146.9	90.9	45.0	69.8
3	27.1e	20.4e	15.5e	13.7e	270.4	298.5	46.1	77.9	151.4	87.4	43.5	69.2
4	26.6e	20.2e	15.3e	13.5e	276.6	300.0	45.7	80.3	154.2	83.9	42.2	68.0
5	26.3e	19.8e	15.2e	13.5e	247.6	301.9	45.2	83.1	157.5	83.2	41.1	67.5
6	25.8e	19.5e	15.1e	13.8e	232.6	302.7	45.4	84.4	159.9	84.3	40.0	67.5
7	25.4e	19.3e	14.9e	13.9e	232.0	304.1	46.0	87.1	160.2	86.9	40.6	68.5
8	24.9e	19.1e	14.8e	13.8e	235.4	306.2	47.8	89.3	160.7	90.5	43.1	70.3
9	24.5e	18.8e	15.1e	13.7e	242.4	305.5	49.7	90.6	162.0	94.9	44.6	71.8
10	24.1e	18.6e	16.2e	13.5e	247.2	294.6	51.4	92.7	163.7	99.7	42.6	73.7
11	23.6e	18.4e	17.5e	13.6e	254.6	193.5	53.1	95.2	165.8	105.0	39.7	75.6
12	23.2e	18.2e	17.2e	13.9e	257.3	105.9	54.1	98.4	167.7	111.9	37.3	76.9
13	22.8e	18.0e	16.5e	14.1e	259.4	89.1	54.2	102.1	169.1	117.9	35.7	78.7
14	22.5e	17.9e	16.2e	14.3e	261.8	78.3	52.9	105.8	171.8	124.3	36.6	79.7
15	22.1e	17.8e	15.9e	18.6e	262.6	70.7	52.1	109.9	173.6	126.0	41.8	78.9
16	21.8e	17.7e	15.6e	26.6e	265.5	66.4	48.9	114.5	174.2	126.1	46.9	79.1
17	22.0e	17.6e	15.4e	27.5e	267.8	64.4	47.6	118.8	176.3	125.4	50.1	79.0
18	22.2e	17.5e	15.3e	19.0e	269.6	62.5	48.0	121.5	179.5	118.0	49.3	78.1
19	21.8e	17.5e	15.1e	16.9e	272.5	59.8	50.1	120.8	181.5	110.0	45.5	76.5
20	21.7e	17.4e	14.8e	25.3e	276.7	56.3	52.3	120.1	182.7	101.0	41.6	75.0
21	21.8e	17.3e	14.5e	40.0e	279.1	53.9	53.9	116.9	184.6	92.5	40.5	74.1
22	21.8e	17.3e	14.4e	52.4e	281.5	51.6	55.0	114.3	184.5	85.9	43.2	72.7
23	21.5e	17.3e	14.5e	58.9e	282.9	49.7	55.9	112.1	184.9	80.2	50.8	70.4
24	21.1e	17.2e	14.7e	70.0e	285.7	47.6	57.0	111.5	185.3	75.4	57.2	68.2
25	20.9e	17.0e	14.9e	81.3e	288.1	46.2	58.0	113.6	177.6	69.7	61.2	65.3
26	20.8e	16.7e	15.1e	94.4e	290.1	44.5	59.6	116.0	160.9	66.1	63.0	62.0
27	21.0e	16.3e	15.1e	112.3e	291.0	43.4	61.6	120.4	141.1	63.5	64.7	57.6
28	21.2e	16.0e	14.8e	130.7e	291.0	42.7	64.1	124.5	125.2	60.3	66.7	53.0
29	21.0e		14.5e	151.1e	290.8	43.6	66.3	129.2	113.2	56.6	67.7	48.5
30	20.9e		14.4e	183.5e	291.5	44.7	68.1	133.5	103.7	53.9	68.8	44.7
31	20.8e		14.4e		294.0		70.9	138.1		50.2		41.6
Mean	23.1	18.2	15.3	43.4	266.1	144.0	53.4	105.5	162.1	90.9	47.9	68.8
Maximum	28.4	20.6	17.5	183.5	294.0	306.2	70.9	138.1	185.3	126.1	68.8	79.7
Minimum	20.8	16.0	14.4	13.5	211.3	42.7	45.2	73.3	103.7	50.2	35.7	41.6
Total	62	44	41	112	713	373	143	283	420	243	124	184

(Total flows in million cubic metres per month)

Annual statistics

Mean : 87.0 (cubic metres per second)
Maximum : 306.2 (cubic metres per second)
Minimum : 13.5 (cubic metres per second)
Total : 2743 (million cubic metres)

Data availability

Original values : 243
Estimated values (Flag e) : 122
Missing values (Flag m) : 0

Comments : Large Gu flood with substantial time lag compared to Beled Weyn

River Shebelli at Bulo Burti 1964

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	39.0	23.2	11.3e	7.0	51.6	17.3	19.8	62.4	172.9	186.8	178.5	23.7
2	37.5	22.7	11.3e	7.0	54.3	15.6	19.3	62.4	175.8	189.8	184.8	22.9
3	36.1	22.4	11.1e	7.0	57.9	14.8	19.4	61.6	179.6	192.0	190.3	21.9
4	35.5	22.0	11.1e	7.0	52.4	14.6	20.2	59.9	183.5	193.2	193.5	22.2
5	35.8	21.2e	11.0e	7.0	46.6	14.0	23.2	59.4	183.7	193.6	195.0	23.2
6	36.3	20.4e	10.8e	7.0	44.5	13.1	26.0	60.6	182.2	193.9	194.3	23.4
7	36.5	19.8e	10.6e	7.0	45.2	12.4	26.9	63.0	175.6	194.3	189.8	22.4
8	36.5	19.3e	10.3e	7.0	45.0	12.0	26.3	66.4	163.8	193.6	174.8	21.5
9	35.8	18.7e	10.1e	7.0	42.1	11.9	25.4	70.4	149.0	191.1	146.1	21.1
10	35.0	18.2e	9.8e	6.9	38.7	11.9	24.4	74.5	139.3	187.0	118.5	20.3
11	33.9	17.6e	9.6e	6.8	37.0	12.4	23.5	78.9	134.3	177.9	99.8	18.9
12	32.6	16.9e	9.5e	6.8	36.9	12.7	22.3	82.5	132.5	163.8	87.6	17.9
13	31.4	16.5e	9.2e	8.8	36.3	12.7	21.1	85.3	133.0	148.2	79.4	17.3
14	30.5	15.9e	9.1e	16.5	33.3	12.8	20.6	87.7	133.1	137.3	74.1	16.6
15	30.4	15.6e	8.8e	30.1	30.9	17.3	23.3	89.8	133.6	122.8	69.1	16.3
16	31.9	15.3e	8.5e	38.4	28.7	22.0	26.6	91.8	133.4	114.4	63.8	15.9
17	33.9	14.8e	8.3e	41.1	26.3	24.1	28.0	94.9	133.0	110.6	59.0	15.6
18	35.5	14.5e	8.2e	40.7	23.5	24.3	27.5	99.2	132.2	109.0	54.5	15.6
19	36.5	14.0e	8.2	39.7	21.9	23.8	27.5	104.5	132.4	111.7	49.8	15.7
20	36.7	13.2e	8.2	38.9	20.8	22.3	29.0	109.7	133.7	115.0	46.1	16.1
21	35.8	13.2e	8.2	40.5	20.3	20.8	32.2	115.8	136.7	119.4	42.4	16.1
22	34.3	12.9e	7.9	84.7	20.3	19.4	35.8	123.1	140.6	125.1	39.7	15.9
23	32.7	12.7e	7.7	77.0	20.0	18.0	38.6	129.7	146.9	131.8	36.8	16.4
24	31.2	12.5e	7.7	39.0	20.7	17.1	41.2	137.1	152.5	137.9	34.3	17.1
25	30.1	12.2e	7.7	24.8	22.9	16.7	44.4	144.3	158.0	144.3	32.4	16.2
26	29.0	11.9e	7.7	21.6	24.1	17.4	48.0	150.2	163.2	148.9	30.6	15.4
27	28.0	11.7e	7.6	20.9	23.9	18.4	52.2	155.6	169.2	153.6	28.9	16.1
28	26.8	11.4e	7.2	25.8	22.7	19.9	56.3	159.7	174.9	158.1	27.5	22.7
29	25.6	11.2e	7.0	35.4	23.5	20.8	59.6	164.1	179.6	162.4	25.9	32.4
30	24.8		7.0	44.7	19.2	20.3	61.1	167.0	183.2	167.6	24.8	40.8
31	24.0		7.0		18.7		61.9	169.8		173.8		48.1
Mean	32.9	16.3	8.9	25.1	32.6	17.0	32.6	102.6	154.7	156.4	92.4	20.8
Maximum	39.0	23.2	11.3	84.7	57.9	24.3	61.9	169.8	183.7	194.3	195.0	48.1
Minimum	24.0	11.2	7.0	6.8	18.7	11.9	19.3	59.4	132.2	109.0	24.8	15.4
Total	88	41	24	65	87	44	87	275	401	419	240	56

(Total flows in million cubic metres per month)

Annual statistics

Mean : 57.8 (cubic metres per second)
Maximum : 195.0 (cubic metres per second)
Minimum : 6.8 (cubic metres per second)
Total : 1827 (million cubic metres)

Data availability

Original values : 323
Estimated values (Flag e) : 43
Missing values (Flag m) : 0

Comments : Small Gu flood, the peak of which was mainly due to local runoff

River Shebelli at Bulo Burti 1965

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	56.9	16.2	8.6	4.6	39.7	12.3	6.6	4.3	63.4	45.6	188.3e	119.3e
2	65.0	15.7	8.6	4.4	45.7	15.5	6.6	4.3	66.8	46.4	194.0e	94.2e
3	74.6	15.2	8.4	4.4	52.5	12.5	6.5	4.1	68.0	46.7	196.9e	59.7e
4	77.2	14.5	8.0	4.3	67.5	11.8	6.4	4.0	65.3	46.3	197.3e	46.9e
5	81.9	14.0	7.8	4.3	71.9	11.1	6.1	3.9	60.8	43.9	191.7e	37.0e
6	85.3	13.5	7.7	4.3	73.6	13.0	6.2	5.4	56.9	41.3	179.6e	32.5e
7	87.3	13.1	7.7	4.2	83.7	15.4	7.7	10.4	53.7	41.0e	164.9e	28.9e
8	86.6	12.7	7.5	4.1	88.3	14.5	8.3	11.4	51.8	42.9e	133.7e	27.3e
9	83.4	12.1	7.5	3.9	89.2	12.6	7.5	11.4	53.3	45.6e	116.2e	25.0e
10	79.1	11.1	7.5	3.9	86.4	11.3	6.9	11.4	57.5	78.2e	93.8e	22.4e
11	70.5	11.0	7.3	3.8	81.2	11.4	6.2	11.4	61.6	48.3	73.3	21.3e
12	57.8	10.8	7.1	3.7	68.6	15.2	6.0	11.4	65.0	53.0	69.2	20.7e
13	49.7	10.4	7.0	3.7	56.0	14.9	5.9	11.4	68.1	86.5	77.3	19.4e
14	43.6	10.3	6.8	3.7	53.8	13.1	5.8	11.5	71.1	121.1	61.3	17.9e
15	38.9	9.9	6.6	3.7	44.2	11.4	5.4	12.4	73.5	118.7	63.4	17.4e
16	35.0	9.6	6.4	3.8	40.6	10.3	5.2	14.3	74.6	85.8	68.4	17.0e
17	31.8	9.6	6.3	6.2	37.6	9.7	4.9	17.6	74.6	83.0	76.4	17.3e
18	29.7	9.6	6.2	5.8	32.9	9.4	4.7	20.9	73.1	84.8e	80.8	16.0e
19	28.5	9.6	6.1	4.6	28.9	9.2	4.7	22.4	71.9	86.7e	86.3	12.4e
20	27.3	9.6	5.9	3.7	27.4	10.1	4.7	22.4	72.7	89.5e	86.8	13.4e
21	25.7	9.6	5.8	3.0	24.0	10.3	4.7	22.1	75.0	91.2e	93.1	15.5e
22	24.9	9.4	5.6	3.2	21.2	9.4	4.7	24.5	76.5	89.1e	104.2	15.2e
23	23.4	9.4	5.5	3.2	19.5	8.7	4.6	29.0	76.1	87.9e	109.2	15.0e
24	22.0	9.2	5.3	3.7	18.5	8.3	4.4	33.3	72.8	86.0e	114.8	14.4e
25	20.9	9.2	5.3	6.9	18.3	7.9	4.4	37.7	67.0	107.5e	118.8	13.8e
26	19.8	9.2	5.1	12.6	17.4	7.5	4.4	41.3	60.1	124.2e	122.4	13.2e
27	18.7	9.0	4.9	14.6	16.3	7.2	4.4	45.2	54.0	150.7e	125.8	12.8e
28	17.7	8.6	4.9	18.0	15.0	6.9	4.7	48.6	49.2	171.2e	128.9	12.3e
29	17.0		4.8	24.6	13.3	6.8	4.8	52.6	46.7	183.5e	131.8	12.0e
30	16.5		4.7	31.1	12.3	6.8	4.7	56.0	45.8	182.9e	130.2	12.1e
31	16.3		4.6		12.0		4.6	59.6		183.2e		12.3e
Mean	45.6	11.1	6.5	6.9	43.8	10.8	5.6	21.8	64.2	90.1	119.3	26.3
Maximum	87.3	16.2	8.6	31.1	89.2	15.5	8.3	59.6	76.5	183.5	197.3	119.3
Minimum	16.3	8.6	4.6	3.0	12.0	6.8	4.4	3.9	45.8	41.0	61.3	12.0
Total	122	27	17	18	117	28	15	58	166	241	309	70

(Total flows in million cubic metres per month)

Annual statistics

Mean : 37.7 (cubic metres per second)
Maximum : 197.3 (cubic metres per second)
Minimum : 3.0 (cubic metres per second)
Total : 1190 (million cubic metres)

Data availability

Original values : 306
Estimated values (Flag e) : 59
Missing values (Flag m) : 0

Comments : Unusual January flood peak. Some Der season original data missing and remainder largely doubtful

River Shebelli at Bulo Burti 1966

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	11.9	4.3	18.4	19.2	71.4	48.6	40.2	38.9	82.6	158.8e	87.3	14.3
2	11.9	4.3	18.1	19.2	75.8	42.3	40.5	39.9	84.1	159.6e	90.8	13.4
3	11.9	4.2	16.8	18.7	84.3	38.1	39.8	40.9	84.9	160.8e	95.1	12.9
4	11.9	4.5	15.4	17.3	88.2	35.3	39.2	41.9	85.7	159.5e	100.5	12.2
5	11.9	4.6	13.9	15.2	90.5	34.5	37.4	42.0	87.4	156.4e	106.5	11.9
6	11.8	4.5	12.7	14.3	96.5	35.4	36.0	42.1	88.9	151.4e	112.4	11.7
7	11.1	4.2	11.9	13.4	103.4	36.4	33.5	43.5	89.9	145.1	115.5	11.7
8	10.8	4.4	12.0	13.1	110.3	36.4	32.5	45.9	91.7	135.3	116.7	11.7
9	10.4	4.3	17.2	15.6	121.8	37.8	31.0	46.6	93.6	123.7	114.5	11.6
10	9.9	4.3	28.0	12.8	133.6	34.1	29.4	45.7	95.0	111.9	107.8	11.5
11	9.6	4.2	36.7	11.7	139.6	32.1	27.4	44.1	97.3	101.1	97.7	11.4
12	9.1	4.3	42.4	11.1	139.5	30.1	25.2	43.3	99.6	94.5	85.7	11.4
13	8.6	4.3	42.6	10.5	138.8	27.7	23.2	43.8	103.4	86.1	72.3	11.1
14	8.1	4.3	41.1	10.2	124.8	25.5	21.5	46.0	106.8	80.6	62.2	10.8
15	8.0	3.7	38.1	9.8	112.4	26.1	20.3	47.5	110.9	74.0	52.3	10.7
16	7.9	3.4	35.0	11.9	98.6	29.4	19.1	49.5	115.7	64.0	43.4	10.2
17	7.6	3.9	32.0	19.8	85.2	30.9	18.1	51.9	119.4	55.4	37.5	9.5
18	7.4	3.8	29.1	29.1	72.6	29.4	18.1	54.8	122.8	51.9	33.1	9.4
19	7.2	3.8	26.4	33.1	60.3	28.0	20.7	56.8	126.7	58.9	29.4	9.3
20	7.0	3.8	23.9	32.8	58.6	28.1	23.9	58.8	131.1	47.8	27.3	8.7
21	6.6	3.7	21.9	67.6	47.2	29.8	25.8	61.0	134.0	39.7	25.0	8.1
22	6.3	4.1	20.0	96.4	45.7	31.6	26.6	63.5	136.4	33.6	23.5	7.5
23	5.8	4.7	18.5	69.9	44.2	33.2	29.4	66.5	139.6	35.5	22.1	7.1
24	5.5	5.5	17.6	53.1	41.2	35.1	33.5	69.7	142.4	40.7	20.7	6.8
25	5.3	6.4	16.6	51.0	36.7	35.6	37.6	72.6	145.0e	50.1	19.9	6.3
26	5.2	8.5	15.6	53.6	33.2	34.4	40.9	75.2	146.2e	56.6	19.4	5.9
27	5.0	11.9	14.8	57.5	31.5	32.3	42.7	76.8	147.6e	65.0	18.6	5.5
28	4.9	14.5	16.4	59.1	39.5	31.6	42.9	78.3	150.6e	97.0	17.4	5.2
29	4.7		18.5	62.5	48.6	34.1	41.9	79.5	152.8e	85.8	16.4	4.9
30	4.6		19.5	66.3	53.1	37.8	40.8	80.2	155.8e	83.1	15.2	4.5
31	4.6		19.3		52.8		39.2	81.5		81.6		3.8
Mean	8.1	5.1	22.9	32.5	80.0	33.4	31.6	55.8	115.6	91.8	59.5	9.4
Maximum	11.9	14.5	42.6	96.4	139.6	48.6	42.9	81.5	155.8	160.8	116.7	14.3
Minimum	4.6	3.4	11.9	9.8	31.5	25.5	18.1	38.9	82.6	33.6	15.2	3.8
Total	22	12	61	84	214	87	85	149	300	246	154	25

(Total flows in million cubic metres per month)

Annual statistics

Mean : 45.6 (cubic metres per second)
Maximum : 160.8 (cubic metres per second)
Minimum : 3.4 (cubic metres per second)
Total : 1439 (million cubic metres)

Data availability

Original values : 353
Estimated values (Flag e) : 12
Missing values (Flag m) : 0

Comments :

River Shebelli at Bulo Burti 1967

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.4	0.5	0.0	0.0	60.8	182.9	17.2	59.9	138.5	187.3	216.3	181.2e
2	3.0	0.4	0.0	0.0	75.1	168.0	16.4	62.6	140.2	188.4	219.9	191.2e
3	2.8	0.4	0.0	0.0	86.4	148.8	15.4	65.5	140.4	189.5	222.5	197.8e
4	2.4	0.4	0.0	0.1	86.9	132.1	14.8	67.6	141.3	190.1	224.9	204.5e
5	2.3	0.3	0.0	8.9	88.0	114.2	14.2	69.7	143.5	194.6	228.1	205.4e
6	2.3	0.3	0.0	3.0	87.8	101.9	13.7	72.1	146.1	201.8	229.5	205.2e
7	2.2	0.2	0.0	1.1	78.9	92.4	13.7	74.8	148.4	206.5	231.2	214.8e
8	2.1	0.2	0.0	0.8	76.9	85.0	13.5	77.0	151.1	203.0	231.7	210.5e
9	2.0	0.2	0.0	3.5	76.3	77.8	13.3	79.0	154.9	199.9	223.9	214.8e
10	1.9	0.2	0.0	13.8	75.8	68.4	14.1	80.5	156.8	195.9	197.0	216.6e
11	1.9	0.1	0.0	25.3	78.5	60.0	14.7	81.4	158.4	201.1	138.7	215.5e
12	1.8	0.1	0.0	38.2	82.5	54.9	15.7	83.4	159.2	192.2	113.9	205.6e
13	1.7	0.1	0.0	55.6	86.7	54.1	17.0	85.8	160.3	183.9	99.8	213.3e
14	1.6	0.0	0.0	71.7	88.2	53.9	17.9	87.4	162.7	178.4	76.1	188.7e
15	1.5	0.0	0.0	74.5	89.0	50.0	18.9	88.1	163.1	177.5	73.7	183.4e
16	1.4	0.0	0.0	80.1	101.4	45.3	19.9	88.7e	166.4	179.4	73.4	179.7e
17	1.4	0.0	0.0	77.7	105.5	41.6	21.2	91.5e	168.1	177.2	72.7	176.0e
18	1.3	0.0	0.0	67.3	110.5	36.2	18.4	92.8e	169.1	176.0	78.0	162.9e
19	1.2	0.0	0.0	56.5	117.5	33.0	21.7	92.8e	169.3	175.5	78.7	155.9e
20	1.1	0.0	0.0	54.6	126.6	30.2	29.2	97.2	170.6	175.5	81.9	147.6e
21	1.1	0.0	0.0	54.3	138.5	28.9	34.4	103.1	173.5	176.3	83.5	129.1e
22	1.1	0.0	0.0	48.4	150.1	28.7	37.9	109.7	174.7	179.6	86.5	119.4e
23	1.0	0.0	0.0	39.9	161.7	28.6	41.9	116.1	175.2	182.5	92.0e	115.9e
24	0.9	0.0	0.0	33.8	173.1	26.4	46.1	122.0	176.3	186.1	94.9e	94.1e
25	0.9	0.0	0.0	38.0	181.8	23.7	50.0	128.1	178.8	191.2	109.9e	78.1e
26	0.8	0.0	0.0	47.8	186.9	21.2	52.4	134.7	179.7	196.6	122.4e	67.1e
27	0.7	0.0	0.0	54.7	190.7	20.0	54.6	136.7	179.9	205.0	129.7e	56.3e
28	0.7	0.0	0.0	59.7	192.2	19.4	54.8	138.8	182.8	210.2	142.5e	56.4e
29	0.7		0.0	62.7	195.0	18.2	55.4	138.5	185.1	213.6	161.0e	46.5e
30	0.6		0.0	62.8	195.2	16.0	56.2	138.4	186.2	214.8	172.0e	48.1e
31	0.6		0.0		192.3		57.7	137.9		216.1		43.7e
Mean	1.6	0.1	0.0	37.8	120.5	62.1	28.4	96.8	163.4	191.8	143.5	152.4
Maximum	3.4	0.5	0.0	80.1	195.2	182.9	57.7	138.8	186.2	216.1	231.7	216.6
Minimum	0.6	0.0	0.0	0.0	60.8	16.0	13.3	59.9	138.5	175.5	72.7	43.7
Total	4	0	0	98	323	161	76	259	423	514	372	408

(Total flows in million cubic metres per month)

Annual statistics

Mean : 83.7 (cubic metres per second)
Maximum : 231.7 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 2639 (million cubic metres)

Data availability

Original values : 322
Estimated values (Flag e) : 43
Missing values (Flag m) : 0

Comments : Original data apparently erroneous at end of year

River Shebelli at Bulo Burti 1968

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	42.4	19.4	21.0	51.8	200.3	298.9	85.7	86.2	165.8	113.1	82.3	73.7
2	40.3	18.7	22.1	48.5	203.1	290.9	82.8	86.6	168.3	115.9	77.9	76.7
3	38.1	18.3	21.6	43.9	210.1	276.0	80.0	86.5	172.0	119.1	74.7	78.8
4	37.4	18.3	32.5	40.3	217.5	256.3	77.5	86.3	174.6	122.1	74.0	80.5
5	35.8	18.0	48.9	37.2	225.2	249.6	74.6	86.7	176.9	124.0	74.2	81.3
6	35.1	17.4	60.8	35.7	229.9	231.1	72.8	87.5	179.4	125.4	74.5	81.6
7	35.0	17.2	66.8	36.2	236.9	209.6	73.1	89.0	178.4	125.0	72.0	81.4
8	35.0	16.8	67.3	39.2	242.4	177.5	73.3	88.7	176.5	122.6	65.7	82.1
9	34.3	16.0	67.9	39.1	247.7	158.6	74.1	88.5	175.7	119.2	60.2	82.4
10	33.4	16.0	70.8	38.9	251.9	145.0	75.3	90.9	172.7	116.4	54.5	80.1
11	33.2	15.7	72.7	38.3	256.3	134.2	75.4	93.7	168.2	113.8	49.2	76.5
12	32.8	15.5	79.0	42.4	259.1	125.1	75.4	95.3	161.0	112.8	45.8	72.3
13	31.1	15.1	84.8	50.3	262.8	118.9	75.4	99.6	154.5	113.1	42.2	65.8
14	29.9	14.9	90.4	60.6	265.3	114.1	74.2	102.7	147.2	109.9	40.0	60.0
15	29.0	14.2	94.8	67.6	267.5	109.8	73.1	107.6	138.4	108.4	50.4	54.2
16	28.3	13.6	98.0	83.6	269.2	108.9	74.0	113.2	129.4	108.7	52.8	48.8
17	27.6	13.6	97.3	80.1	270.6	109.8	74.7	118.5	121.7	108.2	37.1	44.9
18	27.1	13.6	97.2	78.6	274.0	110.2	76.4	124.0	114.9	107.9	33.2	43.4
19	26.6	13.3	95.5	82.1	276.1	114.5	78.0	127.8	110.2	108.1	33.3	41.7
20	25.8	13.1	92.7	88.2	279.1	115.3	79.5	132.4	108.0	108.3	32.5	39.8
21	25.1	13.0	86.2	94.6	281.7	116.6	81.1	134.9	104.5	112.0	30.4	37.2
22	24.8	13.8	83.0	104.5	283.5	117.7	81.8	137.7	102.0	111.1	29.0	34.7
23	24.3	16.2	80.4	116.4	286.1	117.5	81.8	139.3	99.6	112.1	29.7	33.1
24	23.6	18.8	80.7	120.6	288.7	115.4	82.7	141.3	99.8	107.0	30.2	32.0
25	22.3	20.1	78.7	138.2	291.0	111.8	83.1	142.9	99.2	107.0	43.2	30.2
26	21.9	19.5	76.6	149.6	295.0	108.5	83.0	144.6	99.9	99.6	61.0	27.9
27	21.6	20.1	73.1	165.4	297.3	104.0	84.1	148.0	101.8	93.7	63.9	26.5
28	21.2	20.9	68.4	173.2	299.4	98.8	83.5	151.9	103.3	92.6	65.0	25.0
29	20.9	20.0	64.0	180.8	301.5	94.8	84.6	154.2	105.6	145.6	66.9	24.0
30	20.5		59.9	188.7	302.2	89.9	85.9	158.3	109.9	115.9	69.8	23.3
31	19.9		56.0		301.6		86.7	162.1		87.2		22.6
Mean	29.2	16.6	70.6	83.8	263.6	151.0	78.8	116.4	137.3	112.5	53.9	53.6
Maximum	42.4	20.9	98.0	188.7	302.2	298.9	86.7	162.1	179.4	145.6	82.3	82.4
Minimum	19.9	13.0	21.0	35.7	200.3	89.9	72.8	86.2	99.2	87.2	29.0	22.6
Total	78	42	189	217	706	391	211	312	356	301	140	144

(Total flows in million cubic metres per month)

Annual statistics

Mean : 97.6 (cubic metres per second)
Maximum : 302.2 (cubic metres per second)
Minimum : 13.0 (cubic metres per second)
Total : 3087 (million cubic metres)

Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments : Late October peak presumably due to local runoff

River Shebelli at Bulo Burti 1969

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	21.4	15.7	63.5	115.4e	59.1e	141.3e	23.3	68.7	148.5	141.6	44.3	14.3
2	20.9	15.4	66.8	108.1e	53.9e	119.1e	22.8	72.1	147.3	139.7	40.2	13.7
3	19.9	15.0	69.1	105.1e	51.7e	91.4e	22.2	75.0	146.9	134.1	35.8	13.7
4	19.5	14.4	71.4	104.2e	55.4e	71.0e	21.5	77.5	146.6	124.7	35.2	13.8
5	18.6	14.2	72.1	104.8e	58.5e	56.6	20.9	80.0	147.1	116.8	34.0	13.3
6	18.0	14.7	74.4	104.3e	64.6e	52.3	23.9	81.6	147.0	106.6	32.6	12.8
7	18.1	15.1	76.5	106.4e	70.4e	45.6	30.2	83.3	148.4	100.8	31.3	12.1
8	17.6	16.0	78.3	111.8e	74.8e	41.4	47.6	84.5	149.1	135.1	32.1	12.3
9	17.2	15.3	80.6	117.9e	81.1e	39.2	52.6	87.1	150.2	115.9	56.2	12.8
10	17.0	14.7	84.1	123.1e	85.4e	39.2	55.0	89.3	152.7	109.3	70.2	13.6
11	16.8	15.8	88.1	128.1e	88.6e	38.7	55.1	91.9	154.8	78.4	76.2	13.9
12	17.5	17.1	95.6	132.9e	93.9e	38.5	52.4	94.7	156.7	73.1	77.8	13.7
13	19.0	17.7	105.8	135.4e	99.5e	38.1	48.5	99.4	158.1	73.9	73.9	13.4
14	19.9	19.0	114.3	135.7e	107.6e	36.0	46.7	104.3	158.1	75.8	61.7	13.0
15	19.6	20.8	121.2	131.5e	120.5e	34.5	49.2	109.4	156.9	77.7	51.0	12.5
16	18.8	22.2	127.5	121.2e	127.3e	34.7	58.8	116.0	154.2	78.0	44.6	12.2
17	17.8	22.0	128.0	106.3e	135.8e	34.9	64.1	122.6	148.4	75.3	40.3	11.6
18	17.3	20.1	124.9	97.7e	147.0e	34.4	65.4	130.5	141.6	73.7	36.6	11.4
19	17.3	18.4	120.1	94.0e	157.6e	33.4	64.3	138.2	134.2	77.9	33.3	11.0
20	17.7	17.0	118.5	93.7e	164.5e	32.2	62.2	145.2	130.1	77.6	29.5	10.7
21	18.7	16.1	120.5	94.2e	171.4e	31.6	59.2	149.7	128.1	69.4	27.1	10.5
22	19.9	15.0	124.6	95.5e	174.8e	30.9	56.2	153.4	125.8	62.0	24.9	10.3
23	20.4	14.3	130.6	95.6e	174.7e	30.0	53.0	157.6	125.4	56.9	22.9	10.0
24	19.9	13.5	137.8	95.6e	174.7e	29.7	51.2	159.2	126.7	52.0	20.6	9.7
25	19.0	13.1	144.3	95.5e	174.3e	29.4	51.3	160.8	127.9	51.9	19.2	9.7
26	18.5	13.7	148.3	93.7e	175.8e	29.0	54.9	159.6	131.8	60.9	18.0	9.5
27	17.8	30.6	149.6	88.8e	175.9e	28.5	58.3	157.6	134.9	70.1	17.5	9.2
28	16.8	53.8	148.0	81.8e	174.8e	27.1	59.9	156.3	138.0	63.1	16.5	8.7
29	16.5		140.1	75.5e	172.7e	25.6	62.1	155.1	140.0	54.4	15.8	8.6
30	16.1		132.9e	65.7e	165.8e	24.5	63.9	152.3	141.5	47.2	15.0	8.3
31	16.0		124.2e		158.0e		65.4	150.0		45.4		8.2
Mean	18.4	18.2	109.1	105.3	122.3	44.6	49.1	118.2	143.2	84.5	37.8	11.6
Maximum	21.4	53.8	149.6	135.7	175.9	141.3	65.4	160.8	158.1	141.6	77.8	14.3
Minimum	16.0	13.1	63.5	65.7	51.7	24.5	20.9	68.7	125.4	45.4	15.0	8.2
Total	49	44	292	273	327	116	132	316	371	226	98	31

(Total flows in million cubic metres per month)

Annual statistics

Mean : 72.2 (cubic metres per second)
Maximum : 175.9 (cubic metres per second)
Minimum : 8.2 (cubic metres per second)
Total : 2276 (million cubic metres)

Data availability

Original values : 298
Estimated values (Flag e) : 67
Missing values (Flag m) : 0

Comments : Original data missing for April and May

River Shebelli at Bulo Burti 1970

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.1	9.2	7.3	117.6	148.0	61.9	14.7	65.6	181.7	190.6e	191.3	27.0
2	7.9	9.5	7.1	122.3	157.8	54.4	14.3	66.9	185.4	189.7e	180.8	25.4
3	7.8	14.6	6.8	124.0	165.7	49.6	14.1	68.6	188.0	187.7e	171.1	24.4
4	7.7	26.2	6.3	125.2	173.7	45.6	14.3	72.0	189.9	184.3e	162.2	23.5
5	7.5	28.8	6.3	124.9	179.9	40.7	13.8	75.5	192.6	181.1e	155.9	22.6
6	7.3	29.0	6.0	106.8	186.5	36.5	13.4	78.6	194.7	176.1	150.4	21.5
7	7.1	29.0	5.7	99.1	203.0	33.4	12.9	80.3	196.6	172.6	145.6	20.8
8	7.0	29.0	5.8	94.6	196.6	30.4	12.2	82.1	199.1	170.0	139.0	19.9
9	6.8	27.8	20.0	88.8	196.0	27.7	11.7	83.6	202.0	167.3	136.0	19.2
10	6.6	25.2	50.3	85.8	201.7	25.8	11.0	85.8	204.0	166.5	131.9	18.6
11	6.5	22.7	50.0	83.6	204.4	24.7	10.5	87.4	205.5	166.6	126.5	17.9
12	6.4	20.5	44.3	83.1	201.5	23.8	10.1	88.8	207.7	165.4	121.6	16.9
13	6.3	18.9	39.3	80.9	197.0	22.7	9.9	90.2	208.7	166.7	113.1	16.8
14	6.3	17.1	33.9	77.5	188.2	21.3	9.5	93.7	209.3	161.5	103.8	16.6
15	6.3	15.9	37.1	73.4	184.4	20.5	9.4	96.5	209.4	156.9	92.8	16.0
16	6.1	14.9	53.9	68.8	168.0	19.8	9.4	98.6	210.1	148.9	81.9	15.3
17	6.1	13.9	59.1	64.6	155.9	18.9	9.4	101.8	209.1	147.0	73.1	14.9
18	6.0	13.5	59.3	62.5	152.4	18.0	9.4	104.6	207.9	167.5	65.3	14.6
19	6.0	12.9	63.0	64.3	152.2	16.7	9.4	108.1	207.1	166.2	58.7	14.3
20	5.9	12.2	66.4	67.2	153.7	15.7	9.4	109.9	204.6	143.4	52.2	14.1
21	5.9	11.4	68.2	91.6	155.6	15.0	9.9	115.3	201.3	131.4	47.8	13.7
22	5.8	10.7	70.8	97.0	155.2	14.5	12.6	120.4	198.2	128.7	44.0	13.3
23	5.6	10.1	75.1	91.7	153.4	13.8	14.7	126.2	195.5	125.5	41.7	13.1
24	5.5	9.3	78.9	108.0	144.7	13.2	17.0	132.5	192.7	124.2	38.2	12.8
25	5.5	8.9	81.5	99.3	139.8	13.1	18.4	139.9	190.6	124.5	35.2	12.5
26	5.4	8.5	84.1	103.5	111.6	13.1	18.7	148.8	188.4	123.2	32.8	12.2
27	5.4	8.0	87.8	114.2	95.0	13.9	20.2	158.0	189.2	125.5	31.0	11.9
28	6.8	7.7	92.8	119.2	82.1	14.4	35.6	164.3	189.9	130.2	29.9	11.5
29	7.4		97.7	127.1	72.1	14.7	46.7	167.7	190.0	143.7	29.6	11.2
30	7.7		104.9	136.5	66.9	14.8	60.6	172.8	191.6	176.9	28.6	11.0
31	8.9		112.1		66.3		64.2	177.5		193.3		10.8
Mean	6.6	16.6	51.0	96.8	155.1	25.0	17.7	108.5	198.0	158.2	93.7	16.6
Maximum	8.9	29.0	112.1	136.5	204.4	61.9	64.2	177.5	210.1	193.3	191.3	27.0
Minimum	5.4	7.7	5.7	62.5	66.3	13.1	9.4	65.6	181.7	123.2	28.6	10.8
Total	18	40	137	251	416	65	47	290	513	424	243	44

(Total flows in million cubic metres per month)

Annual statistics

Mean : 78.9 (cubic metres per second)
Maximum : 210.1 (cubic metres per second)
Minimum : 5.4 (cubic metres per second)
Total : 2488 (million cubic metres)

Comments : Substantial floods in both seasons

Data availability

Original values : 360
Estimated values (Flag e) : 5
Missing values (Flag m) : 0

River Shebelli at Bulo Burti 1971

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10.5	7.0	5.5	3.0	48.4	59.6	69.2	90.9	126.7	103.0	113.8	76.8
2	10.4	7.0	5.5	3.0	44.6	58.2	68.1	89.9	130.1	96.9	114.5	67.5
3	10.4	6.9	5.3	2.8	44.1	57.3	69.0	88.2	133.9	91.9	107.5	61.9
4	10.2	6.8	5.0	2.7	111.1	60.6	72.4	86.3	137.6	87.3	95.0	54.4
5	10.3	6.7	5.0	2.6	104.7	67.9	75.5	85.0	141.0	84.3	85.7	49.3
6	10.0	6.5	4.7	2.8	86.4	70.0	77.0	84.3	144.7	82.1	79.9	45.3
7	9.6	6.4	4.6	12.7	76.3	65.2	77.6	85.5	148.0	78.2	76.0	41.7
8	9.4	6.4	4.4	25.0	73.0	59.1	77.0	87.6	150.1	73.8	74.1	38.4
9	9.2	6.4	4.3	26.2	64.8	54.1	73.3	91.1	153.0	72.2	70.2	35.1
10	9.1	6.4	4.3	27.2	70.0	49.7	67.9	94.0	154.1	75.0	67.8	32.4
11	9.0	6.4	4.2	25.6	79.9	44.6	62.5	95.5	154.4	78.5	63.1	30.0
12	8.8	6.3	4.1	22.0	86.0	44.2	59.3	94.5	153.8	81.0	57.3	27.8
13	8.8	6.3	3.9	18.8	91.1	42.5	58.0	92.4	151.9	84.3	52.2	25.5
14	8.6	6.3	3.9	21.4	96.7	41.2	62.5	91.1	150.9	88.3	46.7	25.7
15	8.4	6.1	3.9	35.9	98.3	38.4	72.1	92.5	150.5	93.9	41.0	24.2
16	8.4	5.9	3.9	39.0	99.1	33.7	77.6	95.2	149.6	99.2	36.5	23.3
17	8.4	5.8	3.9	40.7	101.0	30.3	78.1	98.4	149.8	105.0	33.3	22.9
18	8.3	5.7	3.7	53.9	104.0	28.4	77.7	100.2	149.6	108.4	31.4	22.6
19	8.2	5.8	3.7	63.7	107.0	26.9	78.4	103.0	149.5	112.1	30.2	21.2
20	8.2	5.8	3.5	71.0	113.0	26.1	80.8	103.9	150.1	113.2	29.2	19.7
21	8.2	5.8	3.5	76.7	118.0	26.2	84.0	105.5	149.6	112.2	29.0	18.5
22	8.2	5.6	3.5	78.0	117.4	27.4	85.6	106.4	149.8	110.5	37.4	17.7
23	8.2	5.5	3.4	80.5	111.8	29.5	86.5	107.2	150.0	107.9	56.8	16.9
24	8.2	5.5	3.3	80.6	104.4	31.1	87.0	108.1	147.7	102.5	77.7	15.9
25	8.2	5.5	3.3	80.0	100.7	42.1	87.8	109.5	145.3	101.0	87.3	15.3
26	8.0	5.5	3.3	76.3	97.8	65.0	88.2	111.3	141.7	108.7	90.9	14.6
27	8.0	5.5	3.2	70.6	92.5	72.3	86.2	114.1	135.8	128.7	94.7	14.1
28	7.7	5.5	3.2	66.0	85.4	76.5	85.6	116.8	128.4	136.8	95.9	13.5
29	7.5		3.1	61.1	77.1	77.0	86.9	119.3	120.2	128.1	93.4	12.8
30	7.5		3.1	55.0	70.5	71.5	89.1	121.4	111.4	119.0	86.8	12.5
31	7.0		3.0		64.4		90.9	126.7		115.8		12.2
Mean	8.7	6.1	4.0	40.8	88.4	49.2	77.2	99.9	143.6	99.3	68.5	29.3
Maximum	10.5	7.0	5.5	80.6	118.0	77.0	90.9	126.7	154.4	136.8	114.5	76.8
Minimum	7.0	5.5	3.0	2.6	44.1	26.1	58.0	84.3	111.4	72.2	29.0	12.2
Total	23	15	11	106	237	128	207	268	372	266	178	79

(Total flows in million cubic metres per month)

Annual statistics

Mean : 59.9 (cubic metres per second)
Maximum : 154.4 (cubic metres per second)
Minimum : 2.6 (cubic metres per second)
Total : 1888 (million cubic metres)

Comments :

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

River Shebelli at Bulo Burti 1972

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	11.6	6.5	27.2	7.1	142.2	141.6	26.3	112.2	133.6	105.5	61.0	24.1
2	11.2	6.4	24.2	11.5	133.4	171.0	25.5	112.6	134.9	105.3	61.5	22.5
3	10.9	6.4	21.5	26.8	140.0	158.4	25.1	112.8	136.2	106.9	63.0	21.8
4	10.5	6.3	19.1	32.1	148.3	143.6	25.1	112.5	137.8	108.1	81.8	22.7
5	10.2	6.1	17.3	29.8	166.8	139.3	26.7	111.5	140.2	108.5	91.6	23.1
6	9.9	6.0	15.8	27.3	173.6	130.8	40.7	109.3	142.6	107.6	93.4	21.8
7	9.5	5.9	14.5	24.8	181.7	113.3	54.5	106.3	145.4	108.8	94.1	20.8
8	9.3	5.7	13.5	22.3	187.3	95.1	53.1	103.2	147.2	97.3	97.9	21.3
9	9.2	5.6	12.3	19.9	187.0	80.8	52.9	100.3	150.0	93.4	99.4	21.4
10	8.9	5.4	11.6	18.6	186.7	71.3	55.2	97.9	152.7	98.2	99.1	20.9
11	8.8	5.3	10.5	17.8	186.9	75.3	56.9	97.3	154.1	108.7	96.9	19.8
12	8.8	5.2	10.1	17.3	182.7	63.4	59.0	98.7	155.0	123.5	93.3	18.9
13	9.2	5.0	10.1	16.7	178.1	56.2	62.4	101.0	154.9	143.9	92.5	17.5
14	10.2	5.0	10.0	15.5	190.8	51.7	67.7	104.6	155.4	128.7	91.6	16.5
15	10.8	4.9	11.1	14.3	195.3	50.7	73.4	108.5	153.8	121.5	96.8	15.6
16	10.8	4.9	15.6	13.2	198.9	48.4	78.3	111.2	151.0	116.2	93.3	14.9
17	10.2	4.9	18.0	12.1	216.7	44.7	80.5	113.8	149.5	116.2	87.6	14.4
18	10.2	4.9	17.4	11.1	217.7	41.1	81.0	115.9	147.1	112.9	76.1	14.0
19	10.1	4.9	15.9	12.6	213.4	38.0	84.1	117.4	145.5	117.8	64.6	13.2
20	9.6	8.0	14.3	18.3	208.7	34.7	89.5	119.2	144.3	119.0	55.4	12.7
21	9.2	25.7	12.9	29.9	209.5	32.4	90.3	120.4	142.7	114.9	50.3	12.3
22	8.8	48.6	11.7	58.0	173.4	30.7	92.7	120.5	140.5	108.4	45.6e	12.1
23	8.9	55.1	10.7	74.4	110.0	28.8	95.7	120.1	139.0	100.3	41.7	11.6
24	8.5	55.2	10.0	81.4	123.3	27.5	98.8	118.8	136.4	92.2	38.2	11.2
25	8.3	52.8	9.2	86.5	126.3e	28.7	102.0	118.4	134.3	87.4	35.4	10.5
26	8.2	47.7	9.0	91.0	209.7e	38.1	104.1	118.7	131.2	90.3	33.3	10.2
27	7.9	41.6	8.2	95.1	209.1e	40.5	106.9	120.9	129.5	93.3	31.2	10.0
28	7.6	35.6	7.7	100.5	182.5e	36.1	109.9	122.6	123.8	89.1	29.1	9.6
29	7.4	30.9	7.2	118.4	154.6e	31.5	110.8	125.0	125.2	107.9	25.9	9.6
30	6.6		6.9	141.8	144.4e	28.4	112.3	129.0	113.7	81.7	25.2	9.5
31	6.8		6.5		141.6e		112.2	131.5		67.1		9.1
Mean	9.3	17.5	13.2	41.5	174.9	69.1	72.7	113.3	141.6	105.8	68.2	15.9
Maximum	11.6	55.2	27.2	141.8	217.7	171.0	112.3	131.5	155.4	143.9	99.4	24.1
Minimum	6.6	4.9	6.5	7.1	110.0	27.5	25.1	97.3	113.7	67.1	25.2	9.1
Total	25	44	35	108	468	179	195	303	367	283	177	43

(Total flows in million cubic metres per month)

Annual statistics

Mean : 70.4 (cubic metres per second)
Maximum : 217.7 (cubic metres per second)
Minimum : 4.9 (cubic metres per second)
Total : 2227 (million cubic metres)

Data availability

Original values : 358
Estimated values (Flag e) : 8
Missing values (Flag m) : 0

Comments : Original data for late May missing

River Shebelli at Bulo Burti 1973

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.8	5.3	3.2	1.4	24.8	89.0	9.3	75.9	119.8	105.1	85.8	8.4
2	8.5	5.3	3.2	1.3	41.4	82.7	9.0	75.4	124.8	103.3	74.0	8.4
3	8.7	5.2	3.2	1.3	65.3	67.4	8.5	74.4	130.0	100.1	62.3	7.9
4	8.7	5.2	3.1	1.3	61.7	53.0	7.9	71.4	135.6	96.1	52.1	7.6
5	8.6	5.0	2.9	1.4	61.7	43.4	7.6	66.8	139.5	90.2	46.9	7.3
6	8.3	4.8	2.9	1.4	78.5	36.0	7.3	60.7	142.2	84.3	61.4	7.1
7	8.0	4.8	2.9	1.4	57.3	30.6	6.8	54.8	145.7	80.5	41.6	6.8
8	8.0	4.7	2.9	1.3	87.1	28.0	6.8	50.1	141.2	84.4	36.7	6.6
9	8.0	4.6	2.9	1.3	54.5	26.4	10.9	50.2	137.1	73.5	30.8	6.5
10	7.7	4.6	2.8	1.3	30.9	24.0	13.9	54.0	133.2	68.9	28.0	6.4
11	7.6	4.6	2.6	1.3	21.4	21.3	14.4	53.1	131.0	61.8	25.8	6.0
12	7.5	4.4	2.5	1.3	17.0	18.9	13.8	56.2	130.0	59.9	24.3	5.9
13	7.4	4.4	2.6	1.3	16.1	17.0	13.2	66.6	130.7	65.1	22.7	5.9e
14	7.4	4.3	2.4	1.3	23.9	15.5	12.1	78.9	129.6	77.4	21.3	5.7e
15	7.4	4.3	2.4	1.5	37.5	15.2	11.8	85.1	129.4	88.1	19.6e	5.5e
16	7.2	4.2	2.3	1.6	35.3	15.9	12.1	87.7	129.6	95.1	18.2e	5.1e
17	7.0	4.1	2.3	1.5	37.0	15.5	12.0	89.1	128.9	111.1	17.2	4.9e
18	6.7	4.1	2.2	1.3	37.8	15.5	11.8	89.3	127.8	108.4	16.4	4.8e
19	6.6	4.1	2.3	1.2	39.5	17.0	11.9	89.0	124.9	106.0	15.2	4.8e
20	6.4	4.0	2.3	1.1	47.4	16.5	12.6	90.1	123.0	109.7	14.6	4.7e
21	6.3	3.9	2.2	1.1	40.9	15.0	15.9	92.2	122.3	114.6	13.8	4.6e
22	6.1	3.7	2.1	1.0	60.2	13.9	21.3	95.4	121.6	118.4	13.1	4.4
23	6.1	3.6	2.1	1.0	83.0	13.5	22.9	98.2	121.1	120.1	12.4	4.3
24	6.1	3.6	2.0	1.0	72.8	13.8	24.2	100.5	121.0	120.5	11.8	4.3
25	6.0	3.6	1.9	1.0	64.7	14.6	27.1	102.5	119.5	113.6	11.0	4.2
26	5.9	3.5	1.8	1.0	58.8	12.1	30.8	106.1	117.3	105.2	10.3	4.1
27	5.9	3.4	1.8	1.1	57.3	11.2	37.4	107.6	111.7	103.7	10.2	4.0
28	5.8	3.3	1.7	2.3	61.4	10.3	54.6	109.3	109.8	104.4	9.7	3.9
29	5.6		1.7	30.3	74.4	9.9	67.2	111.6	107.5	102.1	9.3	3.9
30	5.5		1.7	30.1	79.5	9.7	73.4	113.3	106.8	99.2	8.8	3.7
31	5.4		1.6		86.3		75.7	116.0		94.3		3.6
Mean	7.1	4.3	2.4	3.2	52.1	25.8	21.4	83.0	126.4	95.7	27.5	5.5
Maximum	8.8	5.3	3.2	30.3	87.1	89.0	75.7	116.0	145.7	120.5	85.8	8.4
Minimum	5.4	3.3	1.6	1.0	16.1	9.7	6.8	50.1	106.8	59.9	8.8	3.6
Total	19	10	6	8	140	67	57	222	328	256	71	15

(Total flows in million cubic metres per month)

Annual statistics

Mean : 38.1 (cubic metres per second)
Maximum : 145.7 (cubic metres per second)
Minimum : 1.0 (cubic metres per second)
Total : 1200 (million cubic metres)

Comments : A very late and small Gu flood

Data availability

Original values : 354
Estimated values (Flag e) : 11
Missing values (Flag m) : 0

River Shebelli at Bulo Burti 1974

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.5	2.2e	0.0e	0.0e	20.6e	38.7	42.2e	57.1	107.4e	114.3e	27.5e	10.4e
2	3.4	2.1e	0.0e	0.0e	18.4	34.4	39.7e	58.5	106.5e	118.2e	26.1e	9.8e
3	3.3	2.0e	0.0e	34.2e	17.1	28.2e	38.8e	64.7	112.6e	121.1e	24.3e	9.6e
4	3.3	1.9e	0.0e	40.5	16.0	24.7e	38.4e	78.2	114.1e	123.3e	23.0e	10.0e
5	3.2	1.8e	0.0e	71.8	14.7	22.1e	38.0e	88.4	116.1e	125.6e	22.7e	9.3e
6	3.2	1.7e	0.0e	78.6	13.6	26.6e	38.0e	91.9	117.8e	126.1e	21.9e	8.7e
7	3.2	1.6e	0.0e	84.1	14.3	55.5e	38.2e	95.6e	119.7e	126.6e	22.3e	8.2e
8	3.1	1.5e	0.0e	89.5	26.0	83.1e	40.2e	97.8e	120.5e	126.7e	23.0e	7.6e
9	3.1	1.4e	0.0e	95.1	26.6	95.7e	40.3e	100.4e	122.3e	126.0e	21.4e	6.9e
10	3.0	1.3e	0.0e	100.1	22.9	103.4	37.8e	101.1e	123.7e	122.8e	19.9e	6.6e
11	2.9	1.2e	0.0e	102.0	20.0	101.4	35.0e	100.1e	125.5e	118.2e	19.4e	6.9e
12	2.9	1.1e	0.0e	104.0	15.3	95.5	33.3e	96.0e	127.7e	108.4e	22.3e	7.0e
13	2.9	1.0e	0.0e	100.9	14.5	88.1	31.7e	92.8e	129.8e	98.3e	24.1e	6.5e
14	2.9	0.8e	0.0e	95.0	20.9	82.6	38.3e	92.6e	131.5e	88.7e	24.1e	6.8e
15	2.9	0.7e	0.0e	87.8	22.9	81.6	69.2e	97.2	134.8e	81.0e	24.5e	7.1e
16	2.8	0.6e	0.0e	85.3	30.0	80.7	83.5e	99.6	138.6e	74.7e	24.0e	6.8e
17	2.7	0.5e	0.0e	66.7	74.7	79.7e	91.0e	101.1	140.1e	70.2e	22.1e	6.6e
18	2.8	0.4e	0.0e	62.1	93.0	73.2e	96.1e	103.0	142.9e	66.9e	20.3e	6.5e
19	2.9	0.3e	0.0e	62.5	95.9	65.2	100.0e	105.4	144.5e	64.2e	19.1e	6.3e
20	2.9	0.2e	0.0e	63.8	99.5	58.1e	102.4e	107.2	144.5e	60.9e	18.5e	6.1e
21	2.9	0.1e	0.0e	61.4	103.6	54.1	104.6e	107.9	143.3e	55.8e	18.1e	5.9e
22	2.9	0.0e	0.0e	51.5	107.7	51.2	106.3e	108.0	141.8e	51.0e	17.2e	5.9e
23	2.9	0.0e	0.0e	44.4	111.3	52.3	104.5e	112.0	139.0e	44.8e	16.8e	5.9e
24	3.3	0.0e	0.0e	41.3	114.5e	62.2	101.4e	111.9	133.8e	42.4e	15.6e	5.9e
25	3.1	0.0e	0.0e	37.2	117.0	72.7	99.0e	109.1	128.5e	40.4e	14.5e	5.7e
26	3.0	0.0e	0.0e	36.6	112.3	73.9e	94.7e	104.7	122.2e	39.5e	13.4e	6.1e
27	2.9	0.0e	0.0e	29.5	104.9	62.8	89.6e	102.3	116.5e	36.6e	12.6e	6.7e
28	2.8	0.0e	0.0e	25.2	93.9	57.4	84.4e	101.9	109.2e	33.9e	12.1e	7.1e
29	2.6		0.0e	22.6	74.0	51.3	73.7e	101.9	105.6e	32.1e	11.6e	6.8e
30	2.4		0.0e	21.8	58.2	46.1	67.2e	102.0	108.2e	30.5e	11.0e	6.5e
31	2.3		0.0e		46.8		61.0e	104.2		28.9e		6.4e
Mean	3.0	0.9	0.0	59.8	55.5	63.4	66.4	96.6	125.6	80.6	19.8	7.2
Maximum	3.5	2.2	0.0	104.0	117.0	103.4	106.3	112.0	144.5	126.7	27.5	10.4
Minimum	2.3	0.0	0.0	0.0	13.6	22.1	31.7	57.1	105.6	28.9	11.0	5.7
Total	8	2	0	155	149	164	178	259	326	216	51	19

(Total flows in million cubic metres per month)

Annual statistics

Mean : 48.4 (cubic metres per second)
Maximum : 144.5 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1527 (million cubic metres)

Data availability

Original values : 129
Estimated values (Flag e) : 236
Missing values (Flag m) : 0

Comments : Original data intermittent, and missing from September

River Shebelli at Bulo Burti 1975

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	5.0e	0.0e	0.0e	0.0e	60.7e	107.9e	14.2e	101.4e	155.4e	199.8e	67.4e	16.0e
2	4.3e	0.0e	0.0e	0.0e	72.7e	103.7e	15.0e	102.5e	159.3e	199.3e	65.7e	13.9e
3	3.3e	0.0e	0.0e	0.0e	75.2e	92.9e	26.9e	101.8e	162.3e	196.1e	54.0e	13.6e
4	3.3e	0.0e	0.0e	0.0e	67.0e	90.1e	38.6e	104.3e	164.9e	195.2e	49.0e	13.3e
5	3.1e	0.0e	0.0e	0.0e	55.8e	88.8e	36.5e	109.1e	166.8e	193.6e	46.0e	12.6e
6	3.2e	0.0e	0.0e	0.0e	45.2e	98.3e	34.8e	109.2e	168.9e	185.7e	43.2e	12.2e
7	3.1e	0.0e	0.0e	0.0e	38.1e	102.3e	34.3e	110.6e	169.8e	180.6e	39.2e	12.2e
8	2.9e	0.0e	0.0e	0.0e	32.7e	91.6e	32.9e	112.6e	173.0e	174.3e	34.3e	13.2e
9	2.8e	0.0e	0.0e	0.0e	32.6e	81.1e	35.5e	113.9e	174.6e	166.7e	32.6e	12.3e
10	2.7e	0.0e	0.0e	0.0e	35.3e	63.2e	38.7e	114.5e	176.9e	160.2e	31.7e	11.7e
11	2.6e	0.0e	0.0e	0.0e	52.7e	53.5e	44.7e	112.5e	179.9e	146.1e	30.0e	11.1e
12	2.6e	0.0e	0.0e	0.0e	73.1e	38.1e	42.6e	112.3e	182.0e	137.7e	31.8e	10.5e
13	2.3e	0.0e	0.0e	0.0e	71.4e	29.9e	38.4e	112.4e	183.4e	123.6e	47.3e	10.1e
14	2.2e	0.0e	0.0e	0.0e	62.8e	28.0e	34.7e	114.9e	185.0e	114.4e	48.5e	9.8e
15	2.0e	0.0e	0.0e	0.0e	47.2e	25.8e	33.3e	116.6e	186.2e	108.5e	41.4e	9.5e
16	1.9e	0.0e	0.0e	0.0e	37.8e	23.3e	34.0e	117.8e	188.6e	105.1e	31.3e	9.5e
17	1.5e	0.0e	0.0e	8.5e	45.8e	22.1e	42.4e	119.4e	190.7e	102.2e	27.4e	8.9e
18	0.4e	0.0e	0.0e	50.2e	40.1e	19.0e	52.3e	121.5e	193.7e	101.4e	27.3e	8.8e
19	0.0e	0.0e	0.0e	14.4e	49.0e	18.0e	63.7e	122.9e	196.3e	89.9e	27.8e	7.5e
20	0.0e	0.0e	0.0e	10.0e	76.8e	17.4e	71.7e	125.4e	198.8e	80.8e	26.9e	7.4e
21	0.0e	0.0e	0.0e	16.1e	89.7e	17.3e	70.3e	125.1e	201.0e	75.0e	22.4e	7.1e
22	0.0e	0.0e	0.0e	61.4e	97.6e	17.1e	70.5e	126.6e	202.6e	74.3e	20.7e	6.4e
23	0.0e	0.0e	0.0e	70.3e	102.3e	19.4e	79.2e	127.4e	203.5e	76.7e	19.5e	6.3e
24	0.0e	0.0e	0.0e	66.3e	106.2e	21.4e	87.9e	129.7e	203.3e	86.3e	18.6e	5.8e
25	0.0e	0.0e	0.0e	65.3e	106.0e	22.6e	90.6e	131.8e	201.8e	82.5e	18.6e	5.5e
26	0.0e	0.0e	0.0e	65.8e	104.5e	22.8e	93.9e	133.4e	200.7e	76.4e	19.9e	5.1e
27	0.0e	0.0e	0.0e	62.7e	103.1e	21.8e	91.9e	134.8e	201.9e	88.1e	21.2e	4.6e
28	0.0e	0.0e	0.0e	52.8e	103.2e	17.4e	101.3e	137.0e	203.3e	96.3e	18.1e	4.3e
29	0.0e		0.0e	38.3e	108.3e	16.2e	102.6e	139.4e	203.3e	94.3e	17.4e	3.7e
30	0.0e		0.0e	42.7e	110.9e	14.3e	102.7e	144.2e	203.1e	85.9e	16.9e	3.6e
31	0.0e		0.0e		109.4e		100.9e	151.1e		71.3e		3.5e
Mean	1.6	0.0	0.0	20.8	71.4	46.2	56.7	120.5	186.0	124.8	33.2	9.0
Maximum	5.0	0.0	0.0	70.3	110.9	107.9	102.7	151.1	203.5	199.8	67.4	16.0
Minimum	0.0	0.0	0.0	0.0	32.6	14.3	14.2	101.4	155.4	71.3	16.9	3.5
Total	4	0	0	54	191	120	152	323	482	334	86	24

(Total flows in million cubic metres per month)

Annual statistics

Mean : 56.1 (cubic metres per second)
Maximum : 203.5 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1770 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data for this year; all values estimated

River Shebelli at Bulo Burti 1976

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.7e	0.0e	0.0e	0.0e	119.8e	261.7	52.2e	94.8e	138.2e	113.4e	55.9e	70.3e
2	3.6e	0.0e	0.0e	0.0e	106.2e	264.9	52.9e	98.0e	137.5e	113.4e	57.3e	62.8e
3	3.4e	0.0e	0.0e	0.0e	84.6e	266.3	51.8e	96.2e	135.9e	113.0e	60.4e	57.7e
4	3.4e	0.0e	0.0e	0.0e	77.7e	268.5	52.5e	96.2e	134.9e	111.6e	62.0e	52.8e
5	3.2e	0.0e	0.0e	0.0e	76.9e	273.0	53.5e	96.6e	134.2e	110.0e	63.3e	46.7e
6	2.8e	0.0e	0.0e	0.0e	78.6e	277.6	54.3e	96.9e	132.9e	109.0e	66.0e	41.1e
7	2.6e	0.0e	0.0e	0.0e	79.9e	280.5	54.1e	97.1e	130.7e	107.3e	67.9e	37.8e
8	2.6e	0.0e	0.0e	0.0e	80.0e	285.0	54.1e	97.5e	129.9e	105.5e	69.1e	35.5e
9	2.4e	0.0e	0.0e	0.0e	81.0e	287.0	52.3e	97.9e	129.9e	103.2e	70.7e	33.4e
10	2.4e	0.0e	0.0e	0.0e	89.2e	289.5	50.7e	97.8e	129.9e	99.2e	73.0e	31.9e
11	2.2e	0.0e	0.0e	0.0e	98.8e	291.4	50.3e	98.4e	130.7e	97.8e	76.2e	31.0e
12	2.1e	0.0e	0.0e	0.0e	105.0e	292.7	49.7e	99.5e	132.3e	97.7e	79.2e	30.0e
13	1.2e	0.0e	0.0e	0.0e	106.2e	292.7	41.7e	100.2e	133.4e	96.3e	81.8e	28.7e
14	0.8e	0.0e	0.0e	14.0e	120.4e	291.1	38.1e	101.2e	134.1e	93.9e	84.0e	27.1e
15	0.4e	0.0e	0.0e	41.6e	128.4e	281.3	46.2e	104.0e	134.2e	92.4e	86.6e	25.5e
16	0.0e	0.0e	0.0e	74.2e	178.7e	187.8	61.3e	107.3e	134.7e	90.9e	88.4e	24.2e
17	0.0e	0.0e	0.0e	86.5e	162.2e	106.1	76.7e	109.7e	136.4e	90.0e	89.8e	23.3e
18	0.0e	0.0e	0.0e	93.1e	168.6	94.7	84.9e	113.3e	138.2e	86.7e	91.7e	22.5e
19	0.0e	0.0e	0.0e	112.3e	182.7	84.3	90.0e	118.2e	138.5e	81.5e	90.5e	21.7e
20	0.0e	0.0e	0.0e	136.6e	188.9	74.2	94.0e	121.3e	139.3e	78.6e	86.7e	21.0e
21	0.0e	0.0e	0.0e	153.6e	200.3	67.8	97.6e	121.5e	140.0e	76.2e	85.6e	20.2e
22	0.0e	0.0e	0.0e	163.2e	212.1	63.7	94.5e	122.1e	137.1e	73.7e	84.6e	19.5e
23	0.0e	0.0e	0.0e	166.4e	219.2	73.4	94.1e	123.0e	132.9e	70.6e	83.1e	18.8e
24	0.0e	0.0e	0.0e	169.8e	226.8	89.2	96.2e	123.5e	131.2e	67.7e	84.0e	18.1e
25	0.0e	0.0e	0.0e	175.0e	233.4	89.9	92.9e	124.5e	130.0e	65.5e	86.0e	17.5e
26	0.0e	0.0e	0.0e	178.3e	239.5	85.0	91.5e	126.2e	129.7e	64.1e	87.0e	16.8e
27	0.0e	0.0e	0.0e	182.8e	244.6	75.3	96.4e	129.0e	128.9e	63.0e	87.4e	16.2e
28	0.0e	0.0e	0.0e	180.5e	247.2	65.3	98.3e	132.6e	125.5e	60.9e	85.7e	15.6e
29	0.0e	0.0e	0.0e	168.4e	253.5	59.0e	98.5e	134.0e	118.7e	59.0e	81.3e	15.3e
30	0.0e		0.0e	138.9e	257.0	53.9e	99.7e	134.2e	113.8e	57.7e	76.7e	14.9e
31	0.0e		0.0e		259.4		93.5e	135.8e		56.0e		14.4e
Mean	1.2	0.0	0.0	74.5	158.3	182.4	71.4	111.2	132.4	87.3	78.1	29.4
Maximum	3.7	0.0	0.0	182.8	259.4	292.7	99.7	135.8	140.0	113.4	91.7	70.3
Minimum	0.0	0.0	0.0	0.0	76.9	53.9	38.1	94.8	113.8	56.0	55.9	14.4
Total	3	0	0	193	424	473	191	298	343	234	202	79

(Total flows in million cubic metres per month)

Annual statistics

Mean : 77.2 (cubic metres per second)
Maximum : 292.7 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 2441 (million cubic metres)

Data availability

Original values : 42
Estimated values (Flag e) : 324
Missing values (Flag m) : 0

Comments : Original data resumes in May but apparently erroneous from late June

River Shebelli at Bulo Burti 1977

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	13.9e	9.5e	24.0e	11.8e	111.3	68.7e	40.7e	117.7e	154.4e	177.6	235.1	313.6
2	13.5e	9.0e	25.2e	12.7e	109.1	77.9e	42.9e	117.9e	154.6e	178.8	234.9	324.3
3	13.4e	8.6e	24.8e	13.6e	122.4	78.9e	42.9e	115.7e	154.8e	183.0	228.9	325.5
4	13.4e	8.2e	23.0e	13.7e	139.0	82.0e	44.4e	115.3e	155.2e	186.2	229.2	327.5
5	13.4e	8.3e	20.2e	14.4e	201.8	77.3e	46.9e	114.9e	155.7e	193.6	245.7	333.2
6	13.4e	11.2e	18.9e	15.2e	218.8	73.4e	49.6e	112.9e	155.5e	193.6	237.8	333.8
7	13.4e	15.6e	18.6e	16.2e	226.7	66.9e	52.4e	113.1e	155.7e	192.8	244.2	333.7
8	13.4e	16.4e	17.4e	17.3e	235.2	64.5e	58.6e	111.8e	155.7e	189.9	244.3	332.1
9	13.4e	15.6e	16.1e	19.9e	241.6	65.1e	57.9e	106.6e	155.3e	189.1	243.7	331.9
10	13.2e	15.0e	15.2e	22.4e	246.3	73.4e	54.4e	106.8e	156.4e	186.3	247.2	330.5
11	12.9e	14.6e	14.1e	35.8e	249.7	79.1e	52.8e	110.1e	156.9e	184.7	248.3	307.4
12	12.6e	13.9e	13.5e	80.4e	256.2	85.0e	52.0e	122.3e	158.2	178.3	249.3	281.6
13	12.5e	14.1e	13.2e	121.2	258.4	83.4e	56.9e	125.5e	159.9	173.9	252.0	225.7
14	12.5e	15.8e	12.6e	122.9	262.2	84.8e	64.9e	126.5e	165.7	169.3	249.7	189.9
15	12.3e	16.6e	11.8e	123.0	263.7	85.6e	69.1e	130.4e	167.1	172.8	252.3	141.5
16	12.0e	16.5e	11.3e	125.6	265.0	78.8e	78.5e	133.2e	172.0	174.3	255.7	99.2e
17	11.9e	16.1e	10.6e	142.0	265.2	82.7e	91.4e	134.0e	172.1	172.9	258.7	82.8e
18	11.8e	16.2e	9.7e	161.6	266.6	83.8e	107.4e	135.1e	172.8	183.9	256.9	76.5e
19	11.5e	16.2e	8.5e	161.6	266.8	69.0e	108.3e	138.1e	173.4	184.9	257.3	69.1e
20	11.0e	15.6e	7.1e	162.2	266.8	59.7e	109.1e	139.7e	173.7	181.9	268.1	62.2e
21	10.6e	14.5e	6.0e	162.9	266.8	57.2e	109.5e	140.5e	174.8	179.1	269.3	60.3e
22	10.2e	13.7e	5.4e	163.5	266.9	53.7e	110.4e	141.1e	175.1	178.9	269.6	55.6e
23	10.1e	12.4e	5.8e	161.3	269.1	48.0e	111.4e	141.8e	176.2	177.7	274.3	53.2e
24	10.4e	11.4e	7.4e	156.9	269.3	42.7e	112.1e	144.4e	176.4	175.5	280.2	51.5e
25	10.7e	11.2e	9.5e	154.5	267.7	38.3e	112.5e	146.8e	176.9	182.7	285.4	48.5e
26	10.9e	11.3e	9.8e	148.5	249.7	36.0e	113.3e	147.5e	177.1	209.5	289.3	46.7e
27	10.9e	14.7e	9.7e	138.7	179.6	34.9e	113.4e	148.2e	177.6	213.3	295.1	44.8e
28	10.9e	20.5e	10.3e	121.3	126.7	37.5e	113.2e	150.6e	177.8	217.2	299.0	42.9e
29	10.9e		10.9e	116.9	105.4	38.6e	114.1e	152.6e	178.5	221.1	304.1	40.8e
30	10.8e		11.1e	116.6	64.9e	36.1e	115.1e	152.9e	178.7	225.0	308.0	39.6e
31	10.3e		11.0e		61.1e		116.2e	153.7e		230.8		38.6e
Mean	12.0	13.7	13.3	94.5	212.9	64.8	81.4	130.6	166.5	189.0	260.4	172.4
Maximum	13.9	20.5	25.2	163.5	269.3	85.6	116.2	153.7	178.7	230.8	308.0	333.8
Minimum	10.1	8.2	5.4	11.8	61.1	34.9	40.7	106.6	154.4	169.3	228.9	38.6
Total	32	33	36	245	570	168	218	350	431	506	675	462

(Total flows in million cubic metres per month)

Annual statistics

Mean : 118.2 (cubic metres per second)
Maximum : 333.8 (cubic metres per second)
Minimum : 5.4 (cubic metres per second)
Total : 3726 (million cubic metres)

Data availability

Original values : 142
Estimated values (Flag e) : 223
Missing values (Flag m) : 0

Comments : No original data January-March and June-August. Remainder slightly doubtful, but generally accepted

River Shebelli at Bulo Burti 1978

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	36.9e	14.6e	9.2e	48.1e	81.3e	54.6e	15.6e	111.3e	166.5e	141.4e	213.7e	38.5e
2	32.7e	14.6e	9.2e	47.8e	79.7e	51.8e	15.4e	113.5e	167.9e	140.5e	216.5e	38.2e
3	33.8e	14.6e	9.2e	42.0e	71.9e	47.2e	15.0e	109.9e	169.0e	137.3e	218.4e	38.2e
4	31.9e	14.5e	9.2e	41.2e	66.2e	45.8e	15.0e	108.5e	169.7e	137.6e	216.3e	37.8e
5	31.1e	13.9e	9.5e	39.1e	60.7e	43.5e	15.7e	112.7e	170.5e	137.6e	216.0e	32.8e
6	31.2e	13.9e	12.5e	38.1e	59.0e	41.1e	16.5e	119.3e	171.2e	136.0e	214.8e	37.9e
7	31.7e	13.7e	31.1e	37.1e	57.9e	38.8e	16.5e	118.3e	171.9e	135.3e	211.1e	44.5e
8	31.9e	13.2e	78.1e	36.8e	73.0e	36.9e	16.2e	119.9e	173.8e	136.5e	206.9e	44.9e
9	31.0e	13.0e	94.4e	32.6e	72.0e	36.2e	15.6e	121.5e	175.2e	137.2e	196.6e	43.4e
10	30.4e	12.5e	98.4e	31.2e	70.3e	31.7e	15.4e	122.7e	175.9e	142.9e	176.4e	41.2e
11	29.1e	12.3e	101.9e	31.0e	69.0e	30.3e	16.1e	123.4e	176.9e	140.7e	146.7e	39.9e
12	27.4e	11.8e	105.5e	44.4e	68.8e	29.8e	17.1e	125.2e	177.6e	139.5e	127.5e	37.4e
13	26.6e	11.8e	107.4e	59.8e	86.5e	29.9e	23.5e	126.2e	178.3e	138.8e	113.7e	34.9e
14	26.6e	11.6e	107.6e	52.1e	105.4e	29.3e	30.0e	127.2e	178.8e	138.9e	100.1e	34.0e
15	26.5e	11.1e	107.5e	49.2e	95.1e	28.4e	44.2e	127.4e	179.5e	139.9e	87.6e	32.1e
16	26.1e	11.0e	105.3e	51.2e	100.8e	27.6e	58.1e	129.0e	179.8e	140.0e	78.5e	30.1e
17	25.6e	10.4e	102.4e	48.9e	107.0e	27.6e	63.9e	131.7e	180.7e	141.1e	70.5e	28.2e
18	23.6e	10.4e	102.9e	44.3e	109.0e	27.3e	69.9e	132.4e	180.7e	142.7e	66.4e	26.2e
19	22.8e	10.1e	103.3e	39.6e	112.3e	26.7e	71.5e	133.7e	180.7e	143.5e	57.2e	24.4e
20	22.0e	10.1e	97.6e	36.8e	116.8e	26.6e	69.3e	137.8e	179.2e	145.1e	48.1e	23.4e
21	20.6e	9.8e	88.7e	39.4e	117.0e	26.0e	70.2e	140.4e	176.8e	148.0e	57.0e	22.4e
22	20.2e	9.8e	81.1e	41.2e	115.4e	25.9e	76.7e	143.0e	174.1e	151.6e	49.9e	22.0e
23	19.9e	9.7e	76.2e	43.5e	109.3e	25.5e	81.7e	146.2e	171.6e	152.8e	48.0e	22.4e
24	18.6e	9.5e	77.7e	44.2e	94.0e	24.4e	82.3e	148.6e	167.9e	154.0e	46.2e	21.1e
25	18.7e	9.5e	73.4e	39.1e	85.0e	22.6e	82.4e	151.5e	160.8e	156.8e	43.9e	19.9e
26	19.1e	9.4e	68.4e	47.7e	82.3e	17.2e	89.7e	153.5e	157.8e	199.5e	43.4e	19.4e
27	18.1e	9.2e	63.8e	51.8e	80.0e	16.7e	99.6e	155.2e	151.6e	187.5e	42.8e	18.6e
28	17.4e	9.2e	62.3e	63.3e	74.1e	16.9e	100.9e	157.0e	150.6e	171.9e	40.1e	18.6e
29	16.0e		73.6e	72.0e	69.4e	16.8e	105.0e	160.1e	146.0e	175.7e	39.3e	18.4e
30	15.2e		51.4e	78.5e	63.1e	16.3e	107.6e	162.1e	142.2e	201.2e	39.0e	16.6e
31	14.6e		51.0e		57.2e		110.7e	163.6e		207.4e		16.3e
Mean	25.1	11.6	70.0	45.7	84.2	30.7	52.5	133.3	170.1	151.6	114.4	29.8
Maximum	36.9	14.6	107.6	78.5	117.0	54.6	110.7	163.6	180.7	207.4	218.4	44.9
Minimum	14.6	9.2	9.2	31.0	57.2	16.3	15.0	108.5	142.2	135.3	39.0	16.3
Total	67	28	187	119	225	79	141	357	441	406	297	80

(Total flows in million cubic metres per month)

Annual statistics

Mean : 77.0 (cubic metres per second)
Maximum : 218.4 (cubic metres per second)
Minimum : 9.2 (cubic metres per second)
Total : 2427 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No acceptable original data for this year; all values estimated

River Shebelli at Bulo Burti 1979

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	16.2e	41.0e	64.7e	81.1e	52.6	125.4	53.2	67.1e	86.4e	68.4e	104.1	22.2e
2	16.2e	41.0e	61.1e	76.8e	52.8	126.3	52.7	73.0e	78.3e	70.0e	104.0	21.5e
3	21.8e	41.1e	51.2e	74.8e	52.7	140.8	50.6	76.4e	69.6e	68.9e	102.1	21.1e
4	21.3e	42.4e	44.0e	63.5e	50.9	147.6	45.2	77.4e	64.5e	70.2e	106.4	20.3e
5	21.1e	43.6e	42.8e	49.9e	50.7	153.1	42.9	77.9e	63.0e	77.6e	108.8	19.9e
6	20.1e	83.0e	41.0e	45.2e	50.7	153.0	42.8	77.2e	61.4e	73.0e	104.0	21.3e
7	19.4e	95.8e	39.9e	63.8e	50.3	142.9	42.8	77.2e	60.9e	67.4e	91.8	19.5e
8	18.6e	101.6e	39.2e	87.4e	43.5	137.0	42.8	76.2e	60.8e	61.2e	76.3	18.4e
9	17.5e	101.9e	35.5e	81.5e	42.8	136.5	42.7	78.4e	60.7e	64.4e	74.5	17.3e
10	17.0e	98.5e	33.3e	68.6e	42.7	136.0	41.7	84.7e	59.7e	69.8e	69.3	17.1e
11	16.9e	92.9e	32.0e	73.1e	41.0	128.8	41.6	88.1e	59.9e	71.5e	49.1	16.5e
12	16.9e	86.3e	29.2e	70.3e	40.2	125.1	41.6	89.3e	60.5e	69.2e	50.3	15.7e
13	16.9e	75.7e	27.1e	66.9e	30.6	115.1	40.9	88.2e	61.2e	63.5e	50.6	15.3e
14	16.6e	70.3e	25.7e	72.1	25.3	105.1	41.6e	93.3e	61.9e	60.1e	48.6	15.0e
15	16.9e	57.2e	22.5e	52.5	24.9	104.1	43.6e	97.2e	63.0e	55.8e	43.2	14.5e
16	16.9e	53.2e	20.3e	45.6	28.0	103.9	45.3e	100.0e	68.1e	49.8e	40.9	14.1e
17	16.9e	49.4e	20.2e	50.2	84.6	99.4	47.6e	101.4e	71.2e	45.8e	39.0	13.6e
18	16.9e	45.5e	18.1e	63.0	91.5	96.8	50.3e	103.3e	72.2e	42.1e	37.0	13.0e
19	16.8e	41.7e	17.0e	63.8	91.5	96.5	55.9e	107.9e	73.4e	38.9e	32.1	12.7e
20	16.5e	39.8e	15.3e	70.2	92.6	96.4	64.0e	111.3e	74.7e	37.9e	30.1	12.2e
21	16.2e	38.5e	14.6e	81.0	110.3	93.7	73.7e	116.1e	78.5e	40.2e	29.9	11.9e
22	16.2e	36.9e	13.3e	86.2	116.9	85.1	76.7e	118.8e	74.2e	81.4e	29.8	11.3e
23	16.1e	37.3e	15.2e	86.5	119.7	78.8	73.5e	120.2e	69.8e	82.6e	28.4	10.7e
24	15.8e	36.4e	69.5e	84.3	120.0	72.5	69.3e	123.7e	65.3e	70.9e	28.2	10.1e
25	14.9e	35.9e	73.5e	80.6	119.7	72.1	64.7e	121.7e	59.3e	65.8e	28.1	9.8e
26	13.9e	37.0e	82.7e	57.4	115.1	66.2	62.0e	121.7e	56.7e	65.0e	26.7	9.4e
27	13.5e	42.6e	92.4e	54.8	112.5	63.6	61.4e	121.7e	57.0e	68.4e	26.4	9.1e
28	12.5e	58.5e	94.7e	52.9	80.6	62.1	61.6e	120.6e	57.6e	90.1e	25.0	8.6e
29	12.5e		87.3e	50.9	79.0	59.3	63.1e	117.6e	62.3e	100.2e	24.8	8.0e
30	13.1e		84.9e	50.8	111.5	57.0	63.7e	111.5e	65.6e	103.9e	23.4	7.4e
31	29.8e		85.3e		124.3		64.8e	97.6e		104.3e		7.4e
Mean	17.2	58.0	44.9	66.9	72.6	106.0	53.7	98.0	65.9	67.7	54.4	14.3
Maximum	29.8	101.9	94.7	87.4	124.3	153.1	76.7	123.7	86.4	104.3	108.8	22.2
Minimum	12.5	35.9	13.3	45.2	24.9	57.0	40.9	67.1	56.7	37.9	23.4	7.4
Total	46	140	120	173	194	275	144	262	171	181	141	38

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	59.8	(cubic metres per second)
Maximum	:	153.1	(cubic metres per second)
Minimum	:	7.4	(cubic metres per second)
Total	:	1887	(million cubic metres)

Data availability

Original values	:	121
Estimated values (Flag e)	:	244
Missing values (Flag m)	:	0

Comments : Original data quality remains poor, but some periods acceptable

River Shebelli at Bulo Burti 1980

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.8e	6.6e	5.0e	2.8e	22.6e	44.1e	14.1e	36.7e	120.5	65.4e	36.3	10.5e
2	8.2e	6.4e	4.9e	3.1e	23.9e	42.3e	12.4e	40.0e	122.7e	60.3e	34.9	8.9e
3	6.9e	6.4e	4.9e	3.3e	24.7e	36.8e	12.2e	70.2e	121.3e	56.2e	34.0	7.0e
4	7.1e	6.4e	4.8e	3.6e	25.6e	30.8e	11.9e	81.1e	120.7e	54.2e	33.4	6.9e
5	6.9e	6.0e	4.5e	3.8e	28.2e	27.3e	12.0e	80.0e	120.1e	52.8e	31.2	7.0e
6	6.9e	6.0e	4.3e	3.7e	39.1e	24.0e	11.9e	86.3e	117.1e	54.0e	33.2	7.4e
7	6.9e	5.9e	4.2e	3.3e	91.2e	22.2e	12.1e	90.0e	111.0e	59.2e	32.0	7.1e
8	7.3e	5.8e	4.1	3.3e	109.3	21.0e	14.0e	90.1e	101.4e	67.9e	32.9	6.8e
9	10.6e	5.8e	4.3e	3.2e	125.7	20.3e	16.8e	84.7e	94.5e	73.3e	34.2	6.9e
10	12.6e	5.7e	4.3e	3.0e	118.3	19.7e	17.8e	83.2e	87.6e	77.6e	32.9	6.8e
11	11.7e	5.6e	4.0e	3.0e	115.8e	18.1e	18.7e	82.5e	79.8e	74.4e	32.2	6.7e
12	11.2e	5.6e	4.0e	2.9e	126.3e	16.7e	18.8e	88.6e	73.5e	65.9e	29.5	6.6e
13	10.7e	5.4e	4.0e	2.9e	135.8e	16.0e	18.7e	90.7e	71.7e	61.9e	27.3	6.5e
14	10.1e	5.4e	3.8e	2.8e	134.6e	14.8e	18.8e	88.4e	72.8e	58.3e	25.2	6.3e
15	9.6e	5.3e	3.8e	2.7	131.9e	14.1e	19.0e	94.3e	76.5e	57.9	20.3	6.0e
16	9.0e	5.2e	3.7e	2.5e	130.9	14.4e	21.0e	98.9e	80.1e	66.0	16.4	6.3e
17	8.6e	5.2e	3.5e	2.3e	139.5e	18.4e	25.6e	102.7e	88.5	72.3	15.2	6.0e
18	8.3e	5.2e	3.5e	2.1	168.7e	21.9e	34.5e	103.8e	97.4e	72.3	14.5	5.5e
19	8.3e	5.1e	3.4e	3.9e	147.8e	20.5e	38.9e	95.3e	99.6e	69.0	13.8	5.4e
20	8.3e	6.1e	3.3e	10.2e	138.2e	18.5e	38.5e	84.9e	97.9e	61.3	13.1	5.2e
21	8.2e	6.8e	3.2e	9.7e	135.6e	16.8e	42.4e	77.5e	91.9e	60.7	13.0	5.0e
22	8.1e	7.0e	3.2e	8.4e	136.4e	16.9e	44.3e	71.0e	87.7e	55.7	12.7	4.8e
23	7.8e	6.7e	3.2e	34.6e	136.3e	14.9	42.1e	63.0e	81.6e	51.9	12.6	4.5e
24	7.8e	6.7e	3.1e	67.6e	137.2e	14.7e	39.1e	58.9e	75.4e	50.4	12.4	4.3e
25	7.3e	6.0e	2.9e	53.1e	136.4e	14.7e	37.3e	58.6e	72.0e	48.0	12.2	4.3e
26	7.1e	5.3e	2.9e	40.7e	132.0e	14.2e	36.8e	64.6e	70.2e	42.2	12.0	4.1e
27	7.1e	5.1e	2.9e	32.5e	110.4e	13.8e	37.7e	74.4e	68.9e	51.4	11.7	4.1e
28	7.1e	5.1e	2.9e	27.5e	83.6e	13.4e	38.3e	91.0	68.4e	53.0	11.4	3.9e
29	6.9e	5.1	2.9e	25.1e	69.0	13.3e	41.2	92.5e	66.8e	40.1	11.2	3.7e
30	6.7e		2.8e	23.5e	54.5e	16.5e	39.4e	94.8e	65.2e	38.7	10.9	3.6e
31	6.6e		2.7e		47.2e		39.3	107.7e		36.0		3.4e
Mean	8.4	5.8	3.7	13.0	101.8	20.4	26.6	81.5	90.1	58.3	22.1	5.9
Maximum	12.6	7.0	5.0	67.6	168.7	44.1	44.3	107.7	122.7	77.6	36.3	10.5
Minimum	6.6	5.1	2.7	2.1	22.6	13.3	11.9	36.7	65.2	36.0	10.9	3.4
Total	22	15	10	34	273	53	71	218	234	156	57	16

(Total flows in million cubic metres per month)

Annual statistics

Mean : 36.6 (cubic metres per second)
Maximum : 168.7 (cubic metres per second)
Minimum : 2.1 (cubic metres per second)
Total : 1158 (million cubic metres)

Data availability

Original values : 62
Estimated values (Flag e) : 304
Missing values (Flag m) : 0

Comments : Original data mainly restricted to spot measurements. Observer appointed in October

River Shebelli at Bulo Burti 1981

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.4	0.2	0.0	210.8	329.8	199.1	32.2	43.2	150.6	230.2	98.8	25.5
2	3.1e	0.1	0.0	219.2	333.1	177.5	31.5	41.7	151.3	233.0	90.6	24.3
3	2.7	0.1	0.0	227.2	338.5	153.4	30.8	41.6	152.4	239.0	72.4	23.3
4	2.4e	0.0	0.0	233.8	343.8	131.3	30.2	44.4	154.1	244.3	68.1	22.6
5	2.3e	0.0	0.0	238.7	346.8	109.4	29.9	46.9	156.7	247.4	67.0	21.4
6	2.3e	0.0	0.0	241.5	350.2	92.6	29.8	47.1	158.3	252.1	65.8	20.8
7	2.1e	0.0	0.0	242.1	355.1	82.5	29.5	46.4	159.4	257.3	64.9	20.2
8	1.9e	0.0	0.1	244.0	361.0	75.3	29.1	61.0	160.1	262.8	63.8	19.7
9	1.9e	0.0	1.0	246.3	367.1	69.9	28.9	74.4	161.8	267.6	63.7	17.4
10	1.8e	0.0	2.2	248.1	375.1	66.7	28.7	107.5	164.7	273.0	91.3	16.6
11	1.6e	0.0	2.6	249.5	382.3	63.2	27.8	121.8	167.4	281.5	97.2	16.3
12	1.6e	0.0	2.6	251.5	393.4	60.3	26.2	123.6	173.3	284.9	100.1	16.3
13	1.6e	0.0	1.7	255.1	407.8	57.8	25.0	119.1	176.8	287.8	95.5	16.3
14	1.5e	0.0	0.8	271.9	431.4	55.9	24.0	118.3	181.5	288.4	70.8	16.3
15	1.5e	0.0	0.2	269.1	462.9	54.7	23.2	127.5	185.6	290.6	55.8	16.3
16	1.3e	0.0	0.0	270.0	476.8	53.7	23.2	134.4	189.0	295.3	52.1	16.3
17	1.3e	0.0	0.2	270.1	487.0	52.1	22.9	137.0	191.9	288.4	46.4	15.9
18	1.2e	0.0	18.6	274.3	489.3	50.6	22.6	139.0	195.3	279.3	44.6	15.6
19	1.1e	0.0	68.4	275.5	483.1	48.2	22.8	138.7	198.2	269.4	43.2	15.4
20	1.0e	0.0	86.6	277.4	475.0	46.5	23.3	136.1	200.5	251.9	38.9	15.4
21	1.0e	0.0	117.4	278.5	466.1	45.8	23.4	133.0	203.8	241.1	37.2	15.2
22	0.9e	0.0	124.5	283.7	453.3	45.2	22.9	130.9	206.2	236.6	36.3	14.5
23	0.8e	0.0	143.2	291.1	439.6	44.1	22.3	133.4	208.4	234.3	35.3	14.3
24	0.7e	0.0	236.0	295.2	424.2	43.0	21.5	135.7	210.7	229.4	34.5	14.3
25	0.7e	0.0	239.5	299.2	404.3	42.2	23.5	141.4	213.2	220.7	33.4	14.3
26	0.7e	0.0	208.4	306.7	376.9	41.0	25.3	143.7	215.2	212.0	31.7	14.3
27	0.5e	0.0	189.7	314.3	339.2	38.4	28.8	145.4	217.1	196.5	30.0	14.2
28	0.5e	0.0	183.6	318.3	301.5	36.3	32.4	146.6	219.2	170.2	27.9	14.0
29	0.4e		179.4	320.8	266.6	34.5	34.8	147.2	222.6	145.6	26.7	13.5
30	0.4e		182.0	325.1	241.2	32.9	39.4	147.3	226.8	125.5	25.2	13.0
31	0.2e		192.8		220.3		42.6	148.9		110.3		12.7
Mean	1.4	0.0	70.4	268.3	384.6	70.1	27.7	109.8	185.7	240.2	57.0	17.0
Maximum	3.4	0.2	239.5	325.1	489.3	199.1	42.6	148.9	226.8	295.3	100.1	25.5
Minimum	0.2	0.0	0.0	210.8	220.3	32.9	21.5	41.6	150.6	110.3	25.2	12.7
Total	4	0	188	695	1030	182	74	294	481	643	148	45

(Total flows in million cubic metres per month)

Annual statistics

Mean : 120.0 (cubic metres per second)
Maximum : 489.3 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 3786 (million cubic metres)

Data availability

Original values : 336
Estimated values (Flag e) : 29
Missing values (Flag m) : 0

Comments : Major floods in each season. Both exhibit extended time lag from Beled Weyn, with recessions delayed by return flow from flood plains

River Shebelli at Bulo Burti 1982

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	12.7	8.7e	3.8e	6.4e	135.9	192.1	32.9e	62.3e	140.7	89.9	207.6	132.7e
2	12.7	8.6e	3.8e	6.3e	137.7	193.6	32.0e	63.1e	141.5	85.9	210.0	127.7e
3	12.2	7.5e	4.2e	6.0e	139.1	196.8	31.3e	64.2e	141.8	75.0	214.6	122.7e
4	11.7	7.4e	3.8e	6.0e	134.2	200.1	30.8e	65.4e	142.1	71.9	223.9	114.3e
5	11.7	7.4e	3.8e	6.0e	131.2	202.2	30.6e	66.2e	142.7	69.4	228.9	103.4e
6	11.2	7.4e	3.8e	6.0e	133.1	199.5	30.0e	69.0e	143.5	68.2	226.5e	90.5e
7	11.1	7.7e	5.0	5.7e	131.0	194.0	29.8e	67.9e	143.5	69.0	221.2e	82.4e
8	9.4	8.0e	7.8	5.7e	136.5	185.9	29.8e	77.0e	144.3	72.8	213.9e	83.1e
9	9.2	8.0e	11.2	5.7e	136.7	169.9	29.7e	90.8	143.3	90.0	211.4e	99.8e
10	8.9e	8.2e	13.7	5.7e	140.5	141.0	29.2e	99.8	140.8	113.7	204.1e	102.6e
11	8.9e	7.4e	13.1	27.6e	141.0	120.2	29.0e	106.2	139.6	108.6	191.5e	94.2e
12	8.9e	7.3e	11.5e	40.4	141.0	114.5	29.2e	115.9	139.0	133.8	190.3e	80.6e
13	8.6e	7.3e	10.5e	49.2	141.0	103.9	30.1e	121.4	137.9	164.4	184.7e	77.3e
14	8.5e	7.2e	9.8e	60.1	142.0	96.1	33.2e	126.6	136.3	161.7	178.7e	70.2e
15	8.5e	6.0e	9.5e	79.8	142.1	89.8	38.9e	123.9	133.3	160.9	174.7e	65.3e
16	8.5e	6.6e	8.9e	101.7	134.4	84.0	47.7e	118.1	127.3	162.1	174.0e	59.9e
17	8.2e	6.4e	8.3e	103.6	125.4	76.6	49.8e	111.8	118.8	165.8	174.0e	56.6e
18	8.2e	6.1e	7.7e	104.2	125.4	71.3	52.1e	102.5	111.3	166.1	174.0e	53.1e
19	8.2e	5.8e	7.9e	114.2	136.7	66.6	54.3e	100.4	113.3	157.1	174.3e	52.8e
20	8.5e	5.5e	8.6e	120.0	150.1	62.9	53.7e	105.8	116.5	150.2	177.0e	49.4e
21	8.5e	5.2e	8.9e	120.0	150.1	59.7e	54.8e	114.3	118.3	152.9	175.0e	45.7e
22	8.5e	5.2e	10.0e	120.0	148.5	54.4e	57.0e	129.6	121.2	155.9	177.1e	42.2e
23	8.7e	4.9e	10.0e	120.2	147.2	50.3e	58.8e	133.9	123.4	161.0	180.4e	43.5e
24	8.8e	4.9e	10.0e	124.9	147.8	47.2e	60.4e	135.9	125.2	161.5	180.5e	83.1e
25	8.8e	4.4e	11.3	125.4	147.3	43.3e	61.1e	138.2	125.9	163.2	175.4e	94.1e
26	9.0e	4.1e	13.8	124.8	147.5	39.4e	57.3e	138.5	124.8	166.8	168.2e	101.9e
27	9.1e	3.9e	14.2	118.4	153.9	37.2e	56.8e	137.1	118.7	175.5	157.3e	112.1e
28	9.3e	3.8e	10.7	125.2	174.1	36.6e	55.6e	137.3	112.8	184.9	150.8e	109.2e
29	9.3e		9.2	130.4	185.8	35.4e	55.5e	138.6	107.2	190.6	144.9e	103.3e
30	9.1e		8.1e	131.2	187.1	33.9e	55.2e	139.3	98.9	197.4	136.7e	92.3e
31	9.0e		6.9		189.4		52.8e	140.3		204.8		84.1e
Mean	9.5	6.5	8.7	70.0	145.6	106.6	43.5	107.8	129.1	137.1	186.7	84.8
Maximum	12.7	8.7	14.2	131.2	189.4	202.2	61.1	140.3	144.3	204.8	228.9	132.7
Minimum	8.2	3.8	3.8	5.7	125.4	33.9	29.0	62.3	98.9	68.2	136.7	42.2
Total	25	16	23	181	390	276	117	289	335	367	484	227

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	86.6	(cubic metres per second)
Maximum	:	228.9	(cubic metres per second)
Minimum	:	3.8	(cubic metres per second)
Total	:	2731	(million cubic metres)

Data availability

Original values	:	179
Estimated values (Flag e)	:	186
Missing values (Flag m)	:	0

Comments : Original data of doubtful quality for extended periods

River Shebelli at Bulo Burti 1983

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	77.0e	18.2e	20.7e	9.5e	107.3	122.4e	95.8e	93.3e	224.5	295.4	215.9	94.0e
2	65.6e	17.9e	20.7e	9.8e	108.2	124.4e	85.5e	107.8e	225.1	297.6	207.7	92.4e
3	62.7e	17.3e	20.4e	9.5e	109.3	126.6e	82.2e	113.4e	225.2	299.5	205.0	85.9e
4	56.7e	16.6e	19.8e	9.5e	119.6	128.7e	75.3e	116.1e	225.1	301.7	205.6	81.3e
5	47.8e	16.5e	19.4e	9.5e	121.6	129.5e	70.9e	116.4e	225.3	303.6	205.8	77.1e
6	49.9e	16.5e	19.0e	9.5e	122.6	131.1e	65.2e	117.7e	227.3	305.3	204.7	72.9e
7	48.7e	16.2e	18.4e	9.5e	124.0	136.4e	59.9e	117.1e	228.4	306.2	204.2	69.0e
8	43.8e	15.5e	18.2e	9.4e	125.3	150.9e	64.8e	115.4e	229.9	306.9	201.2	67.9e
9	40.1e	16.4e	19.2e	9.3e	125.4	159.1e	88.0e	116.6e	230.4	308.3	194.4	59.2e
10	36.9e	16.5e	22.0e	8.9e	125.9	167.1e	88.5e	122.1e	233.3	310.1	191.7	54.7e
11	35.4e	16.8e	21.8e	8.1e	126.8	173.5e	85.4e	126.4e	234.5	311.9	157.5	49.3e
12	34.8e	20.4e	21.1e	8.0e	127.0	182.3e	76.0e	117.5e	236.9	312.7	143.8	49.7e
13	33.5e	22.3e	21.1e	7.7e	124.6	185.0e	71.1e	116.9e	238.3	314.6	132.7	48.9e
14	31.7e	23.3e	20.7e	8.1e	116.1	185.7e	65.0e	115.8e	240.3	314.4	131.0	42.0e
15	30.7e	25.4e	20.6e	11.6e	99.3	189.8e	59.9e	121.3e	242.6	316.5	135.7	42.9
16	31.6e	32.1e	19.8e	13.2e	91.2	194.7e	59.6e	130.9e	245.1	317.4	130.8	41.9
17	31.9e	34.5e	18.6e	14.6e	85.3	198.1e	60.2e	134.7e	247.7	317.8	128.1	41.0
18	31.0e	25.6e	17.8e	18.3e	73.4e	201.3e	60.7e	137.5e	251.0	317.4	126.0	40.1
19	29.6e	23.8e	17.0e	56.0e	71.0e	201.9e	60.2e	142.7e	253.8	314.7	126.5	39.4
20	27.3e	22.9e	15.8e	67.6e	78.6e	201.8e	60.4e	148.7e	257.2	312.7	126.0e	38.4
21	26.2e	22.1e	14.3e	60.3e	93.7e	200.0e	62.7e	151.8e	260.7	311.8	124.1e	37.7
22	25.2e	22.3e	12.6e	55.9e	87.4e	193.4e	61.7e	160.4e	263.8	306.9	122.6e	35.8
23	24.7e	21.0e	11.5e	56.1e	77.7e	185.2e	61.5e	164.7e	267.3	303.2	121.9e	35.1
24	23.8e	23.8e	11.1e	56.9e	74.5e	174.0e	62.2e	170.3e	271.4	297.4	121.9e	34.6
25	22.9e	23.0e	11.1e	61.3e	74.1e	154.8e	62.3e	176.3e	275.6	290.9	121.2e	32.0
26	22.0e	21.7e	11.0e	93.8e	85.9e	138.5e	61.9e	181.9e	279.6	283.6	119.3e	31.4
27	21.5e	21.8e	9.9e	97.5e	94.7e	126.5e	47.8e	185.8e	283.7	277.0	118.4e	30.0
28	20.8e	21.2e	9.8e	101.3e	107.6e	115.9e	50.5e	191.7e	287.3	267.1	112.3e	29.1
29	20.6e		9.8e	104.7e	114.6e	109.0e	65.5e	195.4e	291.1	260.2	102.9e	28.4
30	19.8e		9.8e	105.1e	120.8e	104.2e	66.3e	200.4e	294.5	245.6	97.5e	27.3
31	19.0e		9.8e		122.2e		83.1e	204.6e		227.9		27.6
Mean	35.3	21.1	16.5	36.7	104.4	159.7	68.4	142.3	249.9	298.6	151.2	49.6
Maximum	77.0	34.5	22.0	105.1	127.0	201.9	95.8	204.6	294.5	317.8	215.9	94.0
Minimum	19.0	15.5	9.8	7.7	71.0	104.2	47.8	93.3	224.5	227.9	97.5	27.3
Total	94	51	44	95	280	414	183	381	648	800	392	133

(Total flows in million cubic metres per month)

Annual statistics

Mean : 111.5 (cubic metres per second)
Maximum : 317.8 (cubic metres per second)
Minimum : 7.7 (cubic metres per second)
Total : 3515 (million cubic metres)

Data availability

Original values : 114
Estimated values (Flag e) : 251
Missing values (Flag m) : 0

Comments : Original data missing or erroneous for most of the year

River Shebelli at Bulo Burti 1984

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	28.1	14.3e	9.0	5.5	8.7	50.9	30.0	99.1	58.3	171.5e	29.3	9.1
2	27.0	14.3e	8.7	5.3	13.3	51.9	35.2	100.8	47.2	175.8e	27.2	8.8
3	25.4	13.9e	8.7	5.1	12.9	85.0	46.6	95.7	40.6	179.6e	25.5e	8.6e
4	24.6	13.8e	8.7	4.9	12.9	100.0	73.2	90.7	36.4	178.4e	23.4e	8.5e
5	24.5	13.5e	8.8	4.3	9.6	94.7	85.2	84.0	37.9	171.6e	22.3e	8.4e
6	23.9	13.4e	9.1	4.8	7.9	92.8	88.6	90.0	58.7	167.5	21.6e	8.3e
7	23.2	13.1e	7.8	5.2	7.2	84.8	84.9	93.0	94.0	142.7	20.2e	8.2e
8	22.2	13.0e	7.7	5.1	9.0	86.8	79.3	103.5	97.8	124.3	18.9e	8.1e
9	21.8	12.7e	7.5	5.1	12.1	85.5	76.4	106.0	110.6	117.4	18.6e	7.8e
10	21.1	12.6e	7.3	5.0	8.8	78.9	70.6	105.6	106.2	110.9	18.5e	7.4e
11	20.8	12.2e	7.0	4.6	7.0	79.2	66.4	113.8	103.6	102.7	18.4e	7.1e
12	20.6	11.9e	7.4	4.6	23.1	87.8	63.9	114.9	104.2	96.2	18.3e	7.0e
13	19.6	11.8e	7.7	5.2	19.1	95.7	59.6	119.2	107.8	86.7	18.0e	7.0e
14	18.7	11.8e	6.8	5.3	10.0	84.5	59.1	118.9	119.5	78.8	18.0e	7.0e
15	18.6	11.4	7.0	5.0	5.1	68.0	57.0	120.3e	121.2	74.6	17.9e	6.8e
16	18.9	11.5	6.5	4.9	5.6	61.6	56.7	122.5e	122.1	75.0	17.8e	6.6e
17	19.2	11.4	6.0	4.6	4.6	57.4	56.8	122.8e	122.3	110.6	17.8e	6.4e
18	18.5	10.8	6.7	4.6	3.9	50.6	54.1	119.2e	122.7	124.7	17.9e	6.0e
19	18.8	10.7	6.7	4.5	3.6	46.3	50.1	119.6e	122.9	146.4	17.8e	5.8e
20	16.8	10.8	6.7	4.6	6.4	41.8	48.3	117.7	124.0	103.0	17.6e	5.7e
21	17.6	10.7	6.6	4.8	47.7	40.1	42.1	117.2	129.1	94.3	16.6e	5.6e
22	16.5	10.8	6.3	5.4	91.8	38.0	39.9	117.1	150.8	92.2	15.4e	5.5e
23	15.4	10.9	6.2	16.2	99.2	35.3	37.0	116.2	159.1	59.2	14.8e	5.4e
24	15.0	10.9	6.1	12.3	105.5	33.3	36.1	115.7	154.0	51.8	14.2	5.5e
25	16.5	10.6	6.1	6.6	107.0	31.9	33.3	115.1	152.3	47.6	12.2	6.5e
26	16.3	10.6	6.1	8.6	112.1	30.1	31.1	114.4	148.3	49.9	11.7	8.0e
27	16.0	10.3	5.9	11.0	103.8	28.6	30.8	111.7	148.7	50.3	11.5	8.2e
28	15.9	9.8	5.8	10.2	91.3	27.3	37.6	109.2	149.6	46.1	10.6	7.4e
29	15.9	9.8	5.5	11.0	81.4	26.9	61.5	106.8	154.2e	39.1	10.2	6.7e
30	14.5		5.5	10.7	74.0	27.1	80.2	101.4	160.2e	35.9	9.8	6.1e
31	14.3		5.5e		58.7		81.5	87.8		33.6		5.9e
Mean	19.5	11.8	7.0	6.5	37.5	60.1	56.6	108.7	112.1	101.2	17.7	7.1
Maximum	28.1	14.3	9.1	16.2	112.1	100.0	88.6	122.8	160.2	179.6	29.3	9.1
Minimum	14.3	9.8	5.5	4.3	3.6	26.9	30.0	84.0	36.4	33.6	9.8	5.4
Total	52	30	19	17	101	156	151	291	291	271	46	19

(Total flows in million cubic metres per month)

Annual statistics

Mean : 45.6 (cubic metres per second)
Maximum : 179.6 (cubic metres per second)
Minimum : 3.6 (cubic metres per second)
Total : 1443 (million cubic metres)

Data availability

Original values : 289
Estimated values (Flag e) : 77
Missing values (Flag m) : 0

Comments : Gu flood very late. Substantial improvement in data quality

River Shebelli at Bulo Burti 1985

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.2e	4.3e	3.6e	3.1e	170.5	301.3e	45.6	71.3	125.1	98.5	35.8	11.5
2	7.3e	4.3e	3.4e	20.0e	182.9	304.3e	41.6	73.7	120.7	106.3	42.7	11.0
3	9.5e	4.1e	3.2e	51.5	183.6	306.5e	44.3	91.2	114.7	107.8	54.9	11.1e
4	9.5e	4.1e	2.8e	70.8	183.7e	307.5e	43.7	99.9	110.4	105.0	50.7	11.2e
5	9.5e	4.1e	2.8e	80.7	185.0e	303.9e	42.6	100.4	107.2	102.1	40.4	10.7e
6	9.2e	4.1e	2.6e	66.6	191.4e	253.8e	39.6	95.4	104.4	100.0	29.7	10.5e
7	9.2e	4.1e	2.6e	55.4	196.4e	219.5e	38.8	97.7	104.5	97.7	27.5	10.6e
8	8.8e	3.9e	2.4e	50.5	208.1e	203.8e	37.8	107.5	102.6	92.8	24.6	10.4e
9	8.0e	3.9e	2.4e	43.2	214.6e	190.2e	36.7	113.1	105.8	80.2	23.9	10.2e
10	7.4e	3.9e	2.2e	38.6	228.0e	182.9	36.4	115.2	110.4	80.0	22.6	10.1e
11	6.9e	3.9e	2.0e	36.8	237.0e	173.5	37.9	116.4	110.4	78.1	19.8	10.2e
12	6.6e	3.8e	1.7e	36.0	238.2e	112.2	37.4	117.5	110.4	71.3	18.4	10.0e
13	6.6e	3.6e	1.8e	33.3	239.4e	99.5	36.9	118.2	105.7	63.0	18.3	10.2e
14	6.6e	3.6e	1.7e	33.1	241.5e	95.1	35.5	119.0	100.4	61.3	18.8	10.0e
15	6.3e	3.6e	1.6e	28.6	245.4e	81.7	32.3	121.2	97.1	63.3	19.5	10.1e
16	6.3e	3.6e	1.5e	33.0	247.3e	77.4	31.0	123.2	95.4	68.4	20.9	10.0e
17	6.3e	3.6e	1.5e	86.2	250.5e	71.4	30.2	121.1	96.3	72.5	21.1	10.1e
18	6.1e	3.5e	1.5e	111.8	254.8e	65.6	30.1	120.5	97.2	77.0	20.5	9.8e
19	6.0e	3.4e	1.3e	112.8	258.7e	63.9	29.9	121.6	97.5	75.7	20.2	9.8e
20	5.8e	3.4e	1.3e	122.1	260.0e	63.3	29.9	124.8	96.4	70.4	19.0	9.5e
21	5.3e	3.6e	1.2e	124.8	262.8e	62.0	30.1	126.7	101.4	68.1	18.4	9.2e
22	5.0e	3.6e	1.1e	130.8	265.6e	54.7	33.5	126.3	104.9	62.3	18.0	9.2e
23	5.0e	3.5e	1.1e	128.1	269.9e	52.5	41.9	126.1	103.1	60.1	18.8	8.9e
24	4.8e	3.4e	1.0e	130.9	273.1e	50.9	52.5	124.4	99.0	62.8	18.8	8.9e
25	4.8e	3.4e	1.0e	138.6	276.8e	49.2	63.8	124.3	93.7	56.0	17.9	8.6e
26	4.8e	3.4e	1.0e	149.0	280.0e	49.2	63.4	124.3	92.1	48.1	15.0	8.6e
27	4.6e	3.6e	0.8e	162.4	284.9e	49.2	62.4	123.1	92.2	44.1	14.0	8.3e
28	4.5e	3.6e	0.8e	168.6	289.2e	48.5	63.5	128.5	94.4	41.2	13.4	8.0e
29	4.5e		1.0e	168.7	292.9e	47.3	67.2	129.8	95.1	38.5	12.8	8.0e
30	4.3e		3.9e	166.6	296.6e	46.6	67.8	130.2	93.6	34.5	11.9	8.0e
31	4.3e		4.0e		298.3e		68.2	126.9		31.6		7.7e
Mean	6.4	3.8	2.0	86.1	242.2	132.9	43.6	114.8	102.7	71.6	23.6	9.7
Maximum	9.5	4.3	4.0	168.7	298.3	307.5	68.2	130.2	125.1	107.8	54.9	11.5
Minimum	4.3	3.4	0.8	3.1	170.5	46.6	29.9	71.3	92.1	31.6	11.9	7.7
Total	17	9	5	223	649	345	117	308	266	192	61	26

(Total flows in million cubic metres per month)

Annual statistics

Mean : 70.3 (cubic metres per second)
Maximum : 307.5 (cubic metres per second)
Minimum : 0.8 (cubic metres per second)
Total : 2217 (million cubic metres)

Data availability

Original values : 207
Estimated values (Flag e) : 158
Missing values (Flag m) : 0

Comments : Good quality data; estimates only required where level outside range covered by staff gauge (due to broken or missing gauge)

River Shebelli at Bulo Burti 1986

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	7.7e	4.3e	3.4e	4.2e	130.2	143.3	84.7	89.2	116.7	113.3	44.3	10.7e
2	7.4e	4.3e	3.2e	3.9e	136.6	144.1	91.4	84.6	115.9	104.6	59.8	10.6e
3	7.4e	4.1e	3.0e	3.2e	134.5	145.8	103.1	82.9	112.6	102.9	73.6	10.6e
4	7.1e	4.1e	2.8e	3.4e	132.9	150.1	106.0	85.4	103.6	100.1	66.3	10.6e
5	6.9e	4.1e	2.8e	3.0e	132.3	178.4	106.5	100.1	100.1	96.8	64.5	10.5e
6	6.6e	3.9e	2.8e	3.0e	133.0	179.2	112.4	108.8	89.6	91.3	52.0	10.5e
7	6.3e	3.9e	2.8e	2.8e	134.0	153.7	117.2	104.8	88.7	83.1	48.4	10.4e
8	6.1e	3.8e	2.6e	2.6e	134.4	150.1	123.0	102.4	99.7	75.2	43.6	10.4e
9	6.0e	3.6e	2.6e	2.6e	134.4	134.9	125.3	108.1	110.0	74.4	40.8	10.4e
10	6.0e	3.6e	2.6e	2.4e	134.6	123.7	124.7	116.2	105.6	77.4	39.2	10.3e
11	5.8e	3.4e	2.7e	3.3e	131.9	122.8	122.8	118.2	110.0	79.1	33.5	10.3e
12	5.8e	3.4e	3.8e	4.5e	125.5	111.4	120.0	103.1	113.5	79.4	30.1	10.2e
13	5.8e	3.4e	4.9e	5.7e	110.8	109.1	116.2	102.8	112.8	81.4	29.1	10.2e
14	6.0e	3.4e	5.7e	5.1e	102.5	103.3	110.4	109.7	109.5	88.7	28.3	10.2e
15	6.2e	3.2e	4.6e	4.3e	93.1	104.9	99.8	106.1	104.8	90.7	26.6	10.1e
16	6.3e	3.2e	4.3e	4.1e	89.7	104.7	87.3	100.9	88.8	91.5	23.3	10.1e
17	5.8e	3.2e	4.1e	10.2e	93.3	97.9	81.5	109.3	79.4	88.3	20.2	10.0e
18	5.5e	3.2e	5.0e	41.2	82.2	91.8	78.4	117.5	76.9	75.6	19.2	10.0e
19	5.1e	3.2e	6.0e	100.3	75.4	89.3	71.2	120.7	82.8	72.2	14.5	10.0e
20	5.0e	3.2e	6.5e	109.5	73.9	86.9	71.3	123.8	85.3	62.4	13.9	9.9e
21	4.8e	3.2e	5.8e	115.0	70.4	80.4	78.7	125.8	87.2	59.3	13.5	9.9e
22	5.0e	3.2e	5.8e	113.8	76.3	93.5	93.1	126.5	108.5	55.3	13.0	9.8e
23	5.0e	3.2e	5.8e	115.2	85.8	91.0	95.7	127.2	115.6	49.3	12.6	9.8e
24	5.0e	3.2e	5.9e	118.4	110.8	82.3	95.9	128.0	120.0	47.1	12.1	9.8e
25	4.8e	3.2e	6.8e	120.3	122.0	79.1	96.6	128.7	123.3	49.0	10.5	9.7e
26	4.8e	3.2e	6.6e	130.5	125.5	75.2	96.3	128.7	125.0	57.0	10.9e	9.7e
27	4.8e	3.4e	5.8e	138.7	127.9	74.6	97.0	128.5	125.2	92.5	10.8e	9.6e
28	4.6e	3.4e	5.3e	131.0	130.5	64.2	97.8	128.0	124.4	90.8	10.8e	9.6e
29	4.5e		4.8e	126.4	133.0	66.0	96.7	126.7	122.1	80.3	10.8e	9.6e
30	4.3e		4.3e	126.4	135.7	73.1	91.5	124.1	116.5	65.4	10.7e	9.5e
31	4.3e		4.3e		140.5		91.4	118.7		55.8		9.5e
Mean	5.7	3.5	4.4	51.8	115.3	110.2	99.5	112.4	105.8	78.4	29.6	10.1
Maximum	7.7	4.3	6.8	138.7	140.5	179.2	125.3	128.7	125.2	113.3	73.6	10.7
Minimum	4.3	3.2	2.6	2.4	70.4	64.2	71.2	82.9	76.9	47.1	10.5	9.5
Total	15	9	12	134	309	286	266	301	274	210	77	27

(Total flows in million cubic metres per month)

Annual statistics

Mean : 60.9 (cubic metres per second)
Maximum : 179.2 (cubic metres per second)
Minimum : 2.4 (cubic metres per second)
Total : 1920 (million cubic metres)

Data availability

Original values : 222
Estimated values (Flag e) : 143
Missing values (Flag m) : 0

Comments : Good quality data; estimates only required where level outside range covered by staff gauge (due to broken or missing gauge)

River Shebelli at Bulo Burti 1987

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	9.4e	3.9e	2.6e	48.9	89.8	225.6e	109.4	48.7	44.1e	62.8e	59.6e	10.9
2	9.4e	3.8e	2.4e	40.6	83.0	233.5e	99.1	49.5	47.3e	63.7e	61.9e	10.4
3	7.9e	3.6e	2.3e	38.8	83.2	240.3e	78.5	50.2	43.3e	81.0e	59.0e	9.9
4	7.2e	3.6e	2.2e	38.2	82.1	250.0e	75.6	50.6	36.4e	90.0e	74.9e	9.2
5	7.1e	3.6e	2.1e	37.8	87.2	259.7e	74.6	53.5	34.7e	100.3e	87.3e	9.2e
6	7.1e	3.6e	2.0e	37.1	136.5	271.5e	72.3	52.5	31.9e	104.7e	86.8e	8.6e
7	6.6e	3.4e	2.0e	36.4	84.7	282.3e	71.1	53.7	30.0e	102.5e	89.9e	7.2e
8	6.3e	3.4e	2.0e	31.0	78.6	288.7e	72.0	51.3	31.0e	95.4e	94.8e	7.0e
9	6.3e	3.4e	2.0e	28.9	54.5	295.2e	68.8	49.3	40.2e	89.6e	97.3e	6.8e
10	6.1e	3.4e	2.0e	30.9	61.6	299.5e	67.4	48.0	51.2e	94.6e	100.7e	6.6e
11	6.0e	3.4e	2.0e	55.5	67.4	302.7e	66.5	45.3	53.0e	92.1e	81.5e	6.5e
12	6.0e	3.4e	2.2e	71.0	85.0	305.3e	66.7	43.3	56.7e	87.6e	65.1e	7.3e
13	5.8e	3.2e	2.2e	70.6	104.3	307.6e	64.7	42.7	63.1e	79.7e	57.8e	7.2e
14	5.5e	3.2e	2.4e	68.4	75.1	310.2e	60.5	41.6	63.6e	73.5e	47.9e	7.0e
15	5.5e	3.2e	2.4e	82.0	75.8	312.4e	58.8	36.4	65.6e	73.5e	47.1e	6.6e
16	5.3e	3.2e	2.6e	97.9	124.8	314.5e	59.7	31.8	76.4e	80.2e	44.3e	6.7e
17	5.3e	3.2e	2.8e	101.0	129.7	315.6e	62.8	29.9	93.3e	78.9e	29.9e	6.5e
18	5.0e	3.2e	3.2e	108.4	133.8	317.7e	65.9	29.2	89.1e	64.4e	25.6e	6.6e
19	4.8e	3.2e	4.0e	111.1	138.5	319.2e	66.4	28.5	82.4e	60.5e	22.4e	6.5e
20	4.8e	3.2e	4.0e	113.2	153.3	320.3e	63.8	27.4	79.1e	56.2e	21.9e	6.6e
21	4.6e	3.0e	3.4e	116.5	169.1	321.0e	58.9	27.5	86.2e	59.9e	20.2e	6.4e
22	4.5e	3.2e	3.0e	118.7	165.3	321.6e	57.2	26.6	77.7e	95.6e	18.4e	6.5e
23	3.9e	3.2e	2.8e	124.6	166.2	322.0e	58.4	24.5	65.3e	93.9e	17.0	6.4e
24	3.9e	3.2e	2.6e	117.9	182.7	317.7e	59.5	23.3	67.9e	87.3e	15.9	6.5e
25	3.9e	3.0e	2.4e	115.4	184.8e	298.4e	61.6	23.2	100.7e	85.9e	15.5	6.4e
26	3.9e	3.0e	3.1e	110.1	209.1e	245.1e	59.5	22.7	102.8e	73.5e	14.9	6.5e
27	3.9e	2.8e	4.5e	104.5	202.3e	201.2e	55.5	22.9	90.8e	71.8e	14.5	6.3e
28	4.1e	2.8e	5.9	89.7	194.6e	181.8e	53.3	24.4	81.8e	67.6e	13.5	6.4e
29	4.1e		32.7	83.7	196.8e	169.3	51.6	28.6	80.6e	63.9e	11.7	6.3e
30	4.1e		49.2	91.2	197.9e	124.8	50.9	40.8	69.8e	61.4e	11.4	6.4e
31	3.9e		49.7		207.1e		49.7	40.4		58.6e		6.5e
Mean	5.5	3.3	6.7	77.3	129.2	275.8	65.8	37.7	64.5	79.1	46.9	7.2
Maximum	9.4	3.9	49.7	124.6	209.1	322.0	109.4	53.7	102.8	104.7	100.7	10.9
Minimum	3.9	2.8	2.0	28.9	54.5	124.8	49.7	22.7	30.0	56.2	11.4	6.3
Total	15	8	18	200	346	715	176	101	167	212	122	19

(Total flows in million cubic metres per month)

Annual statistics

Mean : 66.6 (cubic metres per second)
Maximum : 322.0 (cubic metres per second)
Minimum : 2.0 (cubic metres per second)
Total : 2100 (million cubic metres)

Data availability

Original values : 134
Estimated values (Flag e) : 231
Missing values (Flag m) : 0

Comments : Good quality data to August; thereafter dubious. Estimates used where level outside staff gauge range (due to broken or missing gauge)

River Shebelli at Bulo Burti 1988

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	5.8e	3.2e	1.5e	0.8e	134.2	24.6	17.5	50.6	158.3	153.4	185.2	26.7
2	5.8e	3.2e	1.3e	0.8e	133.8	22.2	16.4	52.0	159.1	155.1	189.4	26.2
3	5.5e	3.0e	1.3e	0.7e	132.6	19.8	16.2	56.6	160.7	157.8	194.1	25.9
4	5.5e	3.0e	1.2e	0.7e	131.0	17.4	14.1	58.8	163.2	165.2	196.2	25.8
5	5.3e	2.9e	1.1e	0.0	131.4	18.8	12.9	62.2	164.3	168.7	198.5	25.4
6	5.3e	2.8e	1.1e	0.0	129.7	17.5	12.7	65.8	166.0	169.8	199.4	24.7
7	5.0e	2.8e	1.1e	0.0	112.5	16.2	13.9	68.3	168.1	170.3	191.5	23.9
8	5.0e	2.6e	1.0e	0.0	111.3	14.1	14.6	71.1	170.6	171.3	179.8	23.6
9	4.8e	2.6e	1.0e	0.0	107.3	13.2	15.0	73.8	172.4	171.3	167.8e	23.0
10	4.8e	2.4e	1.0e	0.0	105.3	11.7	14.7	76.9	172.5	172.8	149.5e	22.2
11	4.8e	2.4e	1.0e	0.0	99.1	11.2	15.7	106.6	171.5	174.0	123.3e	20.8
12	4.6e	2.1e	1.0e	7.4	90.1	10.6	16.8	112.4	171.2	175.5	98.1	18.9
13	4.5e	2.2e	1.0e	7.2	85.0	10.2	17.3	115.9	168.5	179.1	89.0	17.1
14	4.5e	2.2e	1.0e	6.9	63.9	9.5	18.6	117.7	165.7	175.6	83.2	17.5
15	4.3e	2.0e	1.0e	7.6e	55.0	9.0	19.5	117.3	166.7	166.8	71.2	17.4
16	4.3e	2.0e	1.0e	10.1	52.4	8.7	19.8	118.5	170.4	158.7	65.2	17.2
17	4.3e	2.0e	1.0e	9.5	46.3	8.5	20.2	119.3	164.1	152.5	59.2	16.8
18	4.1e	1.8e	1.0e	10.9	43.2	8.9	22.4	121.8	163.2	148.0	54.7	16.6
19	4.1e	1.8e	1.1e	17.2	33.8	9.4	55.4	124.3	162.6	150.7	53.2	16.6
20	4.1e	1.8e	1.1e	25.1	30.2	9.2	58.2	125.9	163.4	152.9	49.5	16.1
21	3.9e	1.8e	1.1e	35.5	29.9	9.1	58.9	126.8	160.0	153.4	47.0	15.3
22	3.9e	1.7e	1.1e	66.8	28.6	10.6	49.9	130.1	156.3	153.6	44.0	14.9
23	3.8e	1.7e	1.1e	101.8	27.2	11.9	49.9	132.6	153.8	153.9	42.3	14.6
24	3.6e	1.7e	1.1e	113.5	26.5	12.5	41.5	134.7	151.6	155.2	41.3	14.4
25	3.6e	1.8e	1.1e	113.0	25.8	12.9	39.9	136.6	151.3	154.5	39.7	14.9
26	3.6e	1.7e	1.0e	113.4	24.9	14.2	41.7	140.2	152.6	156.8	37.7	15.2
27	3.4e	1.7e	1.0e	116.9	24.4	15.0	55.6	148.5	153.5	159.0	35.2	15.5
28	3.4e	1.7e	0.8e	121.1	30.5	17.0	57.3	153.3	152.5	161.0	33.7	16.5
29	3.4e	1.5e	0.8e	123.8	32.7	17.0	58.8	155.8	152.5	166.3	31.7	15.6
30	3.2e		0.8e	131.9	31.7	17.3	58.9	156.0	152.5	173.3	29.9	15.3
31	3.2e		0.8e		27.0		56.0	157.3		179.4		15.2
Mean	4.4	2.2	1.1	38.1	68.9	13.6	31.6	109.3	162.0	163.1	99.4	19.0
Maximum	5.8	3.2	1.5	131.9	134.2	24.6	58.9	157.3	172.5	179.4	199.4	26.7
Minimum	3.2	1.5	0.8	0.0	24.4	8.5	12.7	50.6	151.3	148.0	29.9	14.4
Total	12	6	3	99	185	35	85	293	420	437	258	51

(Total flows in million cubic metres per month)

Annual statistics

Mean : 59.5 (cubic metres per second)
Maximum : 199.4 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1881 (million cubic metres)

Data availability

Original values : 267
Estimated values (Flag e) : 99
Missing values (Flag m) : 0

Comments : Generally good quality original data

River Shebelli at Bulo Burti 1989

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	14.8	10.6	13.4	43.8	181.4	115.2	37.8	50.8	55.0	68.4	103.2e	26.6e
2	14.6	10.1	11.7	58.7	182.2	108.5	37.1	53.5	55.0	63.6	96.8e	26.6e
3	14.6	10.4	10.8	69.5	181.9	91.8	35.5	59.8	53.6	61.6	85.9e	55.8e
4	14.4	10.7	11.2	73.9	183.7	84.5	34.3	60.8	56.6	66.9	76.2e	66.0e
5	14.3	10.7	11.0	101.2	185.9	71.7	34.5	64.8	68.1	111.4e	69.9e	60.8e
6	14.2	10.9	11.4	101.2	202.9	67.1	33.5	72.3	77.7	118.6e	64.1e	51.7e
7	14.3	10.5	10.7	93.9	211.6	63.8	29.9	76.2	80.6	122.2e	59.8e	38.3e
8	14.1	10.3	10.4	68.1	208.6	59.2	27.5	76.5	86.5	122.2e	55.9e	33.2e
9	14.2	10.2	9.2	72.8	214.5	53.1	30.7	73.1	94.0	122.4e	52.6e	29.6e
10	14.8	9.9	9.3	86.4	213.3	50.7	33.4	63.8	101.4	123.3e	49.2e	26.7e
11	15.2	9.8	9.2	99.2	215.3	47.6	33.7	58.0	105.9	124.6e	45.8e	25.3e
12	15.2	11.2	9.0	114.7	218.1	46.9	32.3	51.3	110.3	124.9e	43.0e	23.9e
13	15.0	10.2	8.8	127.0	221.8	46.3	31.2	46.7	111.8	122.1e	40.0e	22.6e
14	14.5	10.0	8.5	128.6	225.8	45.5	29.3	44.1	107.3	115.5e	39.2e	22.0e
15	13.9	10.2	8.3	130.3	230.8	45.2	28.2	41.6	105.6	115.3e	39.8e	22.0e
16	13.4	10.0	8.1	131.2	233.3	44.9	27.5	40.5	105.2	109.6e	37.7e	21.7e
17	12.8	9.6	8.3	133.8	235.2	42.2	27.2	39.3	94.0	93.5e	36.6e	21.4e
18	12.1	9.7	8.3	136.5	237.6	40.5	27.7	37.8	93.4	89.4e	37.0e	22.2e
19	11.7	9.8	8.3	144.6	238.7	38.1	27.2	37.1	99.9	106.7e	36.5e	22.9e
20	11.7	10.4	8.2	157.3	240.2	37.3	27.2	35.5	99.7	119.9e	36.2e	36.8e
21	11.6	11.6	7.7	168.9	233.4	40.6	28.2	33.2	94.6	121.6e	36.2e	76.1e
22	11.6	14.4	7.7	173.1	215.5	44.0	28.9	34.4	88.9	119.5e	36.3e	73.6e
23	12.1	15.8	7.5	178.4	199.6	41.4	29.1	35.4	81.7	109.1e	31.6e	67.1e
24	11.9	18.8	7.4	181.3	186.4	40.8	29.5	34.9	74.2	121.2e	30.7e	63.5e
25	11.6	12.1	7.6	182.4	181.3	41.3	30.9	34.9	72.8	133.5e	29.8e	53.7e
26	10.7	14.0	7.4	183.4	176.9	45.3	35.3	37.2	71.2	126.0e	33.7e	49.4e
27	10.8	16.3	7.4	181.4	174.5	45.1	36.8	42.6	72.4	123.9e	31.3e	44.8e
28	11.1	16.0	7.3	179.5	171.3	41.5	38.6	48.7	74.4	127.9e	28.0e	46.9e
29	10.9		9.7	181.0	159.2	39.8	42.3	54.9	78.1	130.7e	25.2e	61.7e
30	10.8		17.1	183.2	144.1	38.6	49.0	59.6	73.0	129.1e	25.6e	66.6e
31	10.6		26.0		128.9		51.9	56.5		120.0e		64.2e
Mean	13.0	11.6	9.9	128.8	201.1	54.0	33.1	50.2	84.8	111.8	47.1	42.7
Maximum	15.2	18.8	26.0	183.4	240.2	115.2	51.9	76.5	111.8	133.5	103.2	76.1
Minimum	10.6	9.6	7.3	43.8	128.9	37.3	27.2	33.2	53.6	61.6	25.2	21.4
Total	35	28	26	334	539	140	89	134	220	299	122	114

(Total flows in million cubic metres per month)

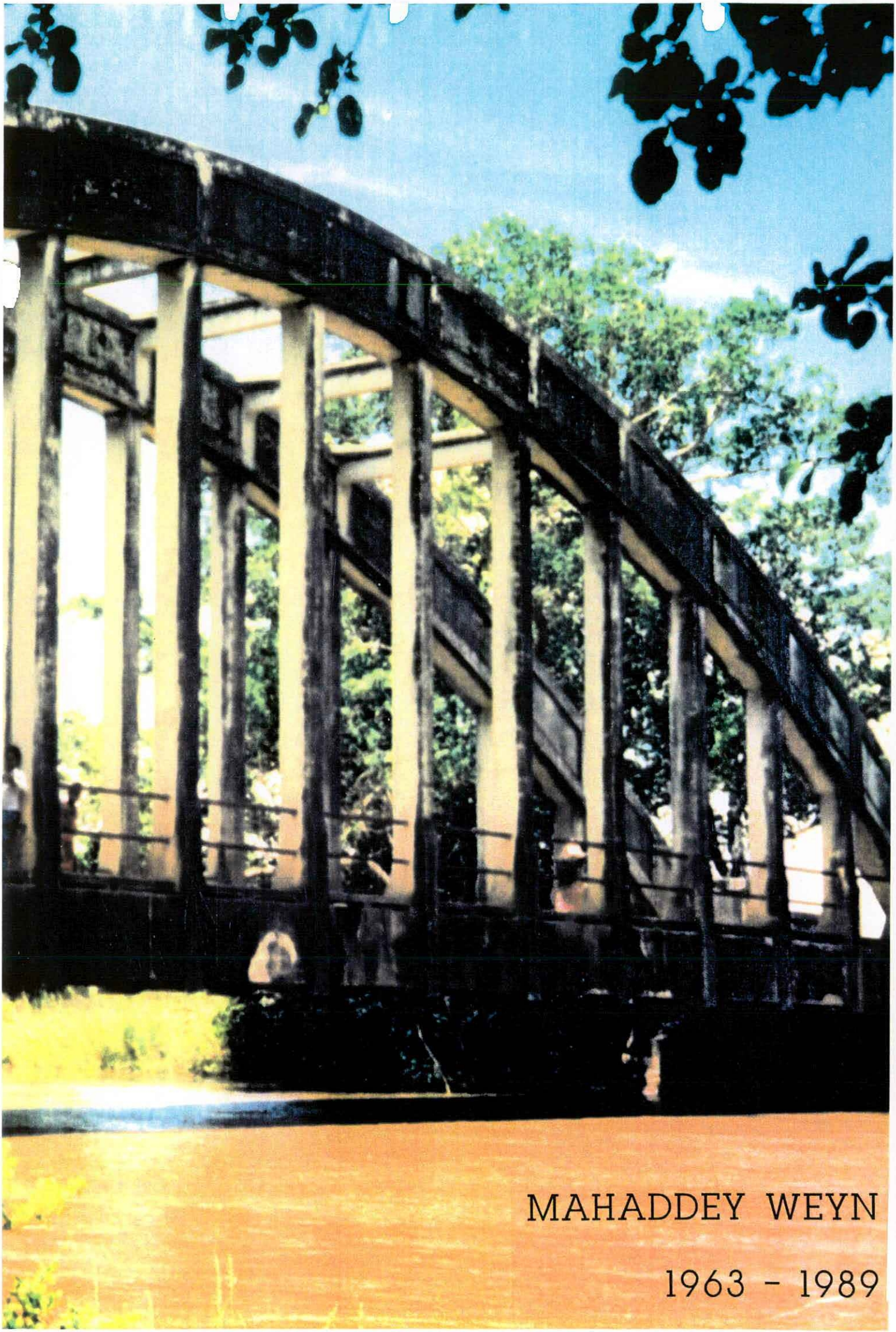
Annual statistics

Mean : 66.0 (cubic metres per second)
Maximum : 240.2 (cubic metres per second)
Minimum : 7.3 (cubic metres per second)
Total : 2080 (million cubic metres)

Data availability

Original values : 277
Estimated values (Flag e) : 88
Missing values (Flag m) : 0

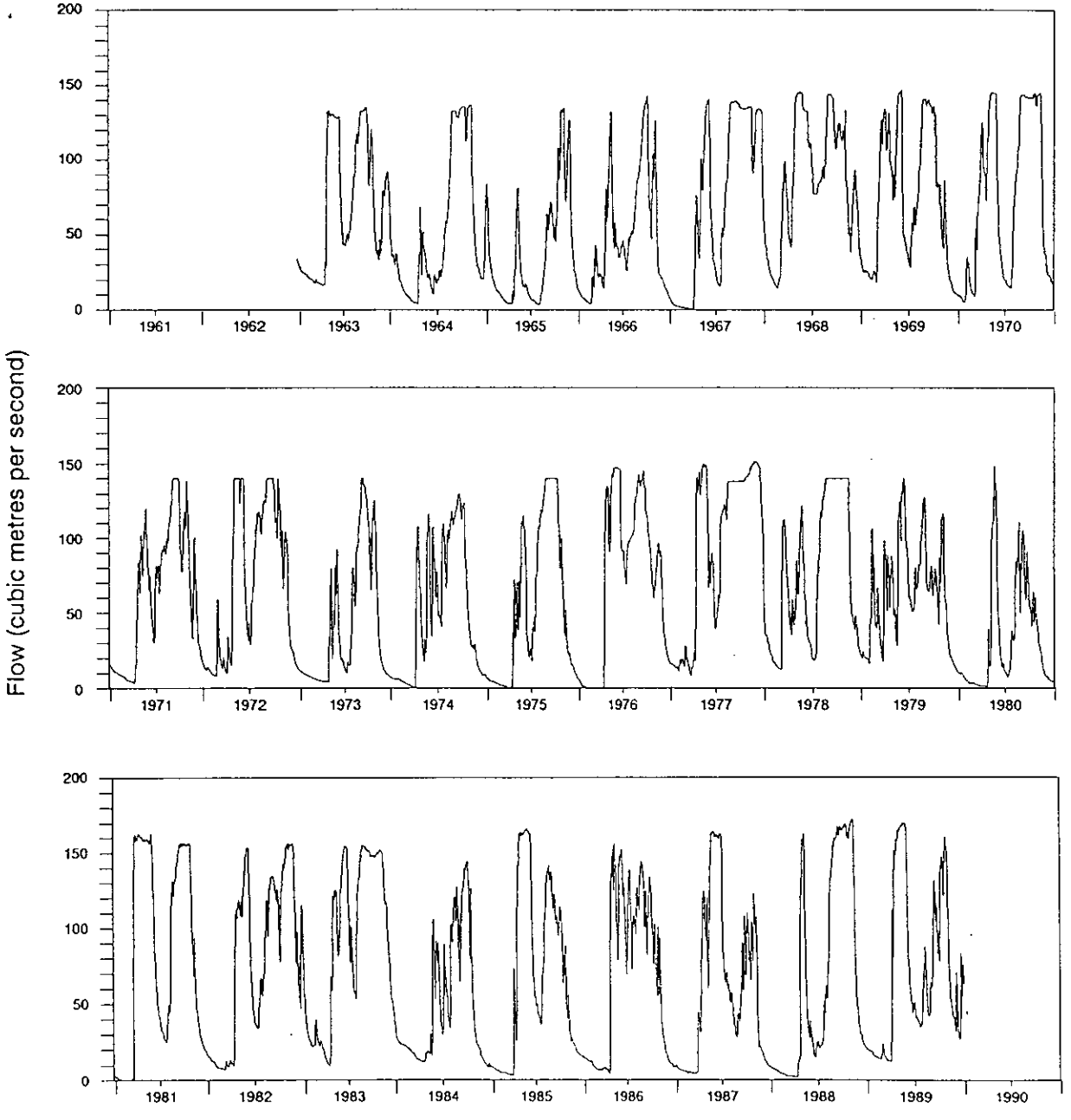
Comments : Major drop in quality of original data from October



MAHADDEY WEYN

1963 - 1989

River Shebelli: Daily mean flows for Mahaddey Weyn
for the period 1963 -1989



River Shebelli at Mahaddey Weyn 1963

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	33.7	23.9	19.4	17.4	132.4	128.4	42.6	64.9	127.2	121.8	49.7	78.6
2	32.8	23.9	19.1	17.4	132.8	128.7	43.0	67.3	129.4	114.4	46.9	79.4
3	31.8	23.7	18.8	17.2	132.8	128.2	43.6	69.1	131.2	108.5	43.7	79.5
4	31.1	23.5	18.7	16.8	133.2	127.8	44.0	71.1	132.1	101.6	41.2	78.5
5	30.5	23.5	18.5	16.6	132.8	128.1	43.5	73.8	132.8	93.9	39.4	77.5
6	29.8	23.4	18.3	16.5	132.0	128.1	43.1	76.9	133.2	87.7	38.3	76.3
7	29.6	23.0	18.1	16.3	130.9	128.1	42.4	79.9	133.1	83.5	37.0	75.4
8	29.1	22.6	18.0	16.7	129.2	128.1	42.4	81.5	132.8	82.4	36.2	76.2
9	28.7	22.4	17.9	16.8	129.1	128.3	42.4	83.6	132.8	84.1	36.9	78.0
10	28.2	22.2	17.7	16.7	130.1	128.6	43.4	85.7	132.8	86.6	38.4	80.3
11	27.8	21.9	17.9	16.6	130.3	128.6	44.9	87.9	132.4	91.0	39.9	82.5
12	27.3	21.6	18.3	16.5	130.3	129.0	46.4	89.9	132.4	95.8	39.0	85.0
13	26.9	21.4	20.4	16.4	130.3	128.8	47.9	91.4	132.4	101.0	36.2	87.4
14	26.4	21.2	20.5	16.8	130.3	128.5	49.3	92.9	132.4	106.4	34.0	88.8
15	26.0	21.0	19.7	16.8	130.7	119.6	50.4	95.8	132.8	111.3	32.9	89.4
16	25.7	20.8	19.2	17.2	130.6	96.5	50.5	101.4	132.8	115.8	33.6	90.5
17	25.3	20.8	19.0	17.2	130.7	84.1	49.7	105.2	132.8	119.2	37.4	91.6
18	24.9	20.6	18.6	28.2e	130.7	76.8	48.1	109.2	133.2	120.9	42.2	92.3
19	24.8	20.6	18.3	31.8e	130.7	72.0	46.2	112.8	133.6	120.4	46.7	91.8
20	25.4	20.5	18.3	28.9e	130.7	68.7	45.3	116.0	133.7	115.9	46.5	90.4
21	25.0	20.4	18.1	27.9e	130.3	65.6	46.4	117.5	133.7	108.1	43.4	88.4
22	24.6	20.4	17.9	40.3e	130.1	62.0	48.0	116.8	134.8	99.1	39.7	85.9
23	24.8	20.3	17.5	59.5e	129.8	58.9	49.5	114.8	135.0	90.9	37.0	83.4
24	24.9	20.2	17.3	84.2e	129.5	55.7	50.7	112.6	135.0	83.2	38.6	80.8
25	24.7	20.2	17.3	95.0e	129.2	53.0	51.8	111.0	135.4	76.4	46.6	77.6
26	24.3	20.2	17.5	111.6e	129.0	50.3	53.0	110.6	135.2	70.5	53.7	73.7
27	23.9	20.0	17.7	131.1	128.8	48.1	54.2	111.5	135.0	65.8	60.7	69.1
28	23.9	19.8	17.9	131.3	128.6	46.1	55.4	113.9	135.3	62.0	65.6	64.0
29	23.8		18.1	131.6	129.0	44.0	57.4	118.4	132.9	59.2	69.3	59.0
30	24.2		17.8	131.9	128.8	43.0	59.9	121.2	127.9	56.4	74.6	53.7
31	24.1		17.5		128.5		62.5	124.4		53.2		48.9
Mean	26.9	21.6	18.4	44.0	130.4	94.7	48.3	97.7	132.9	93.1	44.2	79.2
Maximum	33.7	23.9	20.5	131.9	133.2	129.0	62.5	124.4	135.4	121.8	74.6	92.3
Minimum	23.8	19.8	17.3	16.3	128.5	43.0	42.4	64.9	127.2	53.2	32.9	48.9
Total	72	52	49	114	349	246	129	262	344	249	115	212

(Total flows in million cubic metres per month)

Annual statistics

Mean : 69.6 (cubic metres per second)
Maximum : 135.4 (cubic metres per second)
Minimum : 16.3 (cubic metres per second)
Total : 2194 (million cubic metres)

Data availability

Original values : 356
Estimated values (Flag e) : 9
Missing values (Flag m) : 0

Comments : No original data for period of rise of Gu flood; otherwise data quality good

River Shebelli at Mahaddey Weyn 1964

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	44.8	24.5	10.0	5.0	27.3	22.3	19.6	55.4	133.2	134.6	135.6	33.0
2	41.8	23.0	9.7	4.9	34.6	20.7	20.6	57.0	133.2	134.9	136.0	31.7
3	39.3	21.6	9.7	4.8	42.9	19.1	20.3	57.7	133.2	135.0	136.3	30.3
4	37.0	20.4	9.7	5.0	48.6	17.6	20.0	59.4	133.2	135.4	136.3	29.2
5	35.4	19.6	9.7	5.1	52.1	16.3	19.8	59.3	133.2	135.4	136.5	28.7
6	35.1	19.2	9.5	5.0	51.2	15.6	19.9	58.3	132.9	135.8	136.7	28.2
7	35.5	18.8	9.5	4.9	46.8	14.9	21.3	57.0	132.8	135.8	136.7	28.0
8	36.3	18.4	9.4	4.7	43.6	14.2	23.3	57.0	132.8	135.8	136.7	28.4
9	36.8	18.0	9.1	4.6	42.5	13.5	25.6	58.7	132.8	135.8	136.7	28.0
10	36.6	17.6	8.8	4.5	42.3	12.8	26.3	61.1	132.8	135.8	135.2	27.2
11	35.7	17.0	8.5	4.4	41.4	11.9	25.9	63.7	132.4	135.8	125.1	26.6
12	34.7	16.4	8.3	4.3	39.3	11.4	25.2	67.7	131.5	135.8	112.3	26.1
13	33.5	15.8	8.0	4.1	37.3	11.0	24.2	71.7	129.8	135.8	100.6	25.3
14	32.2	15.3	7.8	4.0	36.5	10.6	23.2	75.0	129.0	135.8	92.5	24.1
15	30.7	15.0	7.6	4.0	36.1	10.2	22.1	79.9	129.0	135.5	85.8	23.2
16	29.9	14.7	7.4	5.2	34.3	10.4	21.7	83.5	129.0	132.8	80.1	22.5
17	30.3	14.3	7.2	14.8	32.1	13.5	22.4	86.3	128.8	126.3	75.4	21.6
18	32.1	13.8	7.1	26.0	30.0	18.0	24.7	89.3	128.6	120.1	70.3	21.2
19	34.2	13.3	6.9	32.9	27.7	21.8	26.7	93.0	128.2	116.7	64.9	20.9
20	35.9	12.9	6.7	36.1	25.4	23.5	27.1	97.7	127.8	113.2	60.1	20.5
21	37.0	12.4	6.5	37.2	23.7	23.7	27.0	103.1	127.7	112.2	56.1	20.2
22	37.4	12.1	6.4	36.4	22.5	22.9	27.8	109.1	128.5	114.5	53.2	20.1
23	36.6	11.8	6.2	36.6	21.7	21.9	29.5	115.5	130.2	118.2	50.8	20.5
24	35.0	11.5	5.9	59.7	21.0	20.4	31.8	122.0	131.7	122.6	48.4	20.3
25	33.2	11.2	5.8	68.2	21.1	18.5	34.2	126.9	132.7	127.5	43.6	20.4
26	31.5	10.9	5.6	53.4	21.2	17.7	36.7	130.1	133.0	130.9	41.0	20.7
27	30.0	10.6	5.5	42.1	22.2	17.4	39.2	131.7	133.6	132.9	38.8	20.7
28	28.8	10.5	5.4	31.6	23.4	17.2	41.9	132.6	133.9	134.4	37.0	21.0
29	27.7	10.3	5.3	23.1	24.4	17.7	45.4	133.2	134.1	135.2	35.3	23.1
30	26.6		5.2	22.9	24.0	18.5	49.3	133.2	134.5	135.4	34.1	26.3
31	25.5		5.1		23.6		52.5	133.2		135.4		28.5
Mean	34.1	15.5	7.5	19.8	32.9	16.8	28.2	89.0	131.5	130.4	88.9	24.7
Maximum	44.8	24.5	10.0	68.2	52.1	23.7	52.5	133.2	134.5	135.8	136.7	33.0
Minimum	25.5	10.3	5.1	4.0	21.0	10.2	19.6	55.4	127.7	112.2	34.1	20.1
Total	91	39	20	51	88	44	76	238	341	349	231	66

(Total flows in million cubic metres per month)

Annual statistics

Mean : 51.7 (cubic metres per second)
Maximum : 136.7 (cubic metres per second)
Minimum : 4.0 (cubic metres per second)
Total : 1634 (million cubic metres)

Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments :

River Shebelli at Mahaddey Weyn 1965

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	36.0	21.2	11.1	4.6	25.0	16.5	7.4	3.5	49.1	49.7	132.0	124.4
2	43.6	20.7	10.9	4.6	27.8	15.8	7.2	3.5	53.8	47.5	132.0	123.5
3	49.8	20.3	10.6	4.5	33.7	15.5	6.9	3.4	58.4	47.1	132.4	113.3
4	56.2	20.0	10.3	4.5	41.3	15.1	6.8	3.5	61.8	48.1	132.8	94.1
5	63.0	19.6	10.0	4.4	49.3	15.0	6.7	3.7	64.1	48.3	134.0	79.8
6	69.7	19.2	9.7	4.4	57.4	14.9	6.5	4.0	63.3	48.2	134.1	70.3
7	75.2	18.7	9.4	4.3	63.8	14.9	6.5	4.6	60.3	46.9	134.7	62.8
8	78.1	17.9	9.1	4.3	69.9	15.0	6.4	5.5	57.6	45.1	134.9	56.7
9	82.7	17.0	8.8	4.2	74.9	15.8	6.2	6.4	55.3	49.0	132.2	52.6
10	84.1	16.4	8.5	4.2	79.4	17.8	6.2	7.5	53.7	56.8	121.6	49.8
11	82.8	16.0	8.3	4.2	81.7	17.3	6.4	8.6	52.9	60.7	109.0	46.5
12	78.3	15.6	8.0	4.1	80.6	16.0	6.8	10.0	55.2	60.4	90.6	43.6
13	71.9	14.9	7.7	4.1	75.0	15.0	7.1	10.9	58.5	55.5	83.8	40.7
14	64.8	14.2	7.5	4.3	70.0	14.6	6.8	11.9	61.9	56.7	81.1	38.5
15	58.1	13.7	7.4	4.2	61.9	16.0	6.3	12.4	64.9	74.7	79.6	36.7
16	52.2	13.4	7.2	4.1	55.5	16.5	6.1	13.7	67.5	107.2	72.1	34.4
17	46.9	13.1	7.1	4.0	50.1	14.9	5.8	15.4	70.2	108.5	72.4	33.0
18	43.0	12.8	6.9	3.9	44.9	13.6	5.6	17.2	71.8	92.8	75.4	31.8
19	39.3	12.4	6.7	4.4	41.1	12.4	5.4	18.8	72.1	87.0	80.5	29.7
20	36.7	12.3	6.4	8.4	38.1	11.5	5.1	20.4	71.5	87.9	84.8	27.7
21	34.5	12.3	6.2	12.6	35.1	11.2	4.9	22.0	70.3	90.1	88.3	26.8
22	32.9	12.2	6.0	10.5	32.1	10.9	4.7	23.2	68.8	91.4	91.5	25.8
23	31.5	12.0	5.8	7.2	29.3	10.6	4.5	24.2	67.0	93.7	96.0	25.3
24	30.1	11.9	5.7	6.0	26.7	10.3	4.3	25.9	65.0	96.8	102.7	24.5
25	28.9	11.7	5.6	8.5	24.6	9.9	4.2	27.4	62.9	101.4	110.3	23.4
26	27.6	11.5	5.4	11.6	23.0	9.5	4.1	28.8	60.4	108.7	118.5	22.4
27	26.2	11.4	5.1	9.3	21.9	8.9	4.0	30.2	58.0	118.6	122.4	21.4
28	24.9	11.2	4.9	8.8	21.1	8.3	3.9	31.6	56.0	128.8	124.9	20.4
29	23.8		4.8	13.3	20.3	7.9	3.8	33.3	54.2	134.0	126.4	19.4
30	22.9		4.7	21.0	19.2	7.6	3.7	37.3	52.4	133.4	126.8	18.5
31	22.1		4.6		17.8		3.6	43.3		132.4		17.4
Mean	49.0	15.1	7.4	6.6	44.9	13.3	5.6	16.5	61.3	80.9	108.6	46.3
Maximum	84.1	21.2	11.1	21.0	81.7	17.8	7.4	43.3	72.1	134.0	134.9	124.4
Minimum	22.1	11.2	4.6	3.9	17.8	7.6	3.6	3.4	49.1	45.1	72.1	17.4
Total	131	37	20	17	120	34	15	44	159	217	281	124

(Total flows in million cubic metres per month)

Annual statistics

Mean : 38.0 (cubic metres per second)
Maximum : 134.9 (cubic metres per second)
Minimum : 3.4 (cubic metres per second)
Total : 1200 (million cubic metres)

Comments :

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

River Shebelli at Mahaddey Weyn 1966

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	16.3	7.2	11.2	24.3	64.9	55.3	42.1	47.4	86.6	137.5	99.9	22.3e
2	15.6	7.1	18.2	24.2	68.4	57.9	42.2	46.1	87.3	138.0	94.0	21.8e
3	14.9	7.0	21.2	23.8	73.6	56.1	44.4	44.9	88.3	138.4	89.2	21.4e
4	14.2	6.8	22.0	23.4	78.6	51.5	45.7	44.9	89.0	138.9	86.6	21.1e
5	13.7	6.6	20.7	23.0	88.6	47.2	46.2	46.3	89.8	140.1	90.0	21.1e
6	13.4	6.3	19.3	22.6	93.2	44.0	46.0	48.8	91.0	141.2	97.4	21.1
7	13.1	6.1	18.0	22.2	94.8	41.8	44.9	50.3	93.0	141.9	106.2	20.7
8	12.8	6.0	16.8	21.8	99.3	41.9	43.3	51.4	94.9	142.4	115.8	20.3
9	12.4	5.9	15.6	20.4	104.8	42.5	41.1	51.7	95.7	142.8	124.6	20.0
10	12.1	5.8	14.7	18.5	111.2	42.5	39.5	52.0	96.4	143.2	126.0	19.6
11	11.8	5.6	16.9	17.6	120.6	42.5	37.8	52.2	97.4	142.8	117.9	18.9
12	11.5	5.5	21.7	16.8	128.7	41.4	36.2	52.5	98.7	131.5	105.4	18.1
13	11.2	5.4	30.9	15.8	132.4	39.6	34.5	51.6	100.9	115.9	97.2e	17.4
14	10.9	5.3	38.5	15.3	133.0	38.2	32.8	50.3	103.5	103.0	86.4e	16.7
15	10.6	5.2	42.5	15.0	131.2	36.7	31.4	50.2	105.6	94.6	74.0e	16.7
16	10.3	5.1	43.0	14.8	124.1	35.1	29.9	51.2	108.1	84.1	63.0e	15.5
17	10.0	5.0	42.2	14.1	114.2	34.4	28.2	52.7	111.0	75.1	53.5e	14.9
18	9.7	4.9	40.5	14.1	103.0	34.8	26.8	54.3	113.6	70.6	44.7e	14.6
19	9.4	4.7	36.7	18.4	92.2	36.2	25.5	56.9	116.8	68.0	38.1e	14.3
20	9.1	4.6	34.2	26.5	81.3	36.5	25.4	59.1	119.4	66.8	33.7e	14.0
21	8.8	4.5	32.0	34.5	72.8	35.6	25.9	61.4	122.2	66.3	30.3e	13.8
22	8.6	4.4	30.1	41.6	67.1	35.1	27.8	63.5	124.5	64.3	28.1e	13.7
23	8.5	4.3	27.3	59.0	59.7	36.1	30.2	66.2	127.0	57.6	26.4e	13.5
24	8.3	4.2	25.0	80.6	54.8	36.7	33.8	68.5	129.3	51.9	25.3e	13.2
25	8.2	4.1	23.0	72.6	51.9	38.2	35.2	71.7	130.6	48.7	24.4e	12.9
26	8.0	4.0	22.9	61.1	49.3	39.8	37.2	75.0	131.9	46.9	23.6e	12.6
27	7.9	3.9	22.1	58.0	46.0	41.1	40.6	77.6	133.4	46.8	23.2e	12.3
28	7.8	4.3	21.4	60.2	42.3	42.1	44.0	79.9	134.3	61.4	23.2e	11.9
29	7.6		21.5	61.7	40.6	43.1	46.5	81.9	135.6	85.4	23.2e	11.6
30	7.5		22.8	63.7	43.2	42.7	48.4	83.9	136.8	99.9	22.8e	11.2
31	7.4		23.9		49.2		48.8	85.3		104.2		10.7
Mean	10.7	5.4	25.7	32.8	84.4	41.6	37.5	59.0	109.8	99.7	66.5	16.4
Maximum	16.3	7.2	43.0	80.6	133.0	57.9	48.8	85.3	136.8	143.2	126.0	22.3
Minimum	7.4	3.9	11.2	14.1	40.6	34.4	25.4	44.9	86.6	46.8	22.8	10.7
Total	29	13	69	85	226	108	100	158	284	267	172	44

(Total flows in million cubic metres per month)

Annual statistics

Mean : 49.3 (cubic metres per second)
Maximum : 143.2 (cubic metres per second)
Minimum : 3.9 (cubic metres per second)
Total : 1555 (million cubic metres)

Data availability

Original values : 342
Estimated values (Flag e) : 23
Missing values (Flag m) : 0

Comments : Dubious data on Der recession replaced by model estimates; otherwise data quality good

River Shebelli at Mahaddey Weyn 1967

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10.0	2.5	1.5	0.5	40.0	139.8	26.6	48.4	138.8	135.4	135.4	129.2
2	9.5	2.4	1.5	0.6	44.2	140.1	25.4	51.5	138.9	135.0	135.4	131.4
3	8.9	2.4	1.5	0.6	52.3	140.4	24.1	54.7	138.8	135.0	135.4	132.5
4	8.3	2.4	1.5	0.6	66.3	140.6	23.1	58.7	138.5	135.0	135.4	132.8
5	7.9	2.3	1.4	0.7	82.5	137.1	22.3	62.8	138.4	134.9	135.4	133.2
6	7.6	2.3	1.4	0.7	99.5	135.7	21.2	66.0	138.0	134.6	135.8	133.6
7	7.4	2.3	1.3	0.7	101.0	130.0	20.3	69.5	138.0	134.5	135.8	133.9
8	7.2	2.2	1.3	2.1	93.2	118.4	19.5	72.6	138.0	134.5	135.8	134.1
9	6.9	2.2	1.3	7.8	87.9	111.2	18.8	76.4	138.2	134.5	135.8	134.1
10	6.4	2.1	1.3	10.3	84.7	100.9	18.4	79.7	138.6	134.5	135.8	134.1
11	6.0	2.1	1.2	10.2	81.3	87.3	18.0	81.8	139.1	134.1	135.8	134.1
12	5.3	2.0	1.2	19.0	79.0	78.6	17.7	83.3	139.1	134.1	135.8	134.1
13	5.0	2.0	1.1	35.0	80.7	71.1	17.3	84.0	138.9	134.1	135.8	134.1
14	4.8	2.0	1.1	49.7	84.0	63.8	16.9	85.2	138.9	134.1	135.8	134.1
15	4.6	2.0	1.1	53.2	89.1	59.1	16.6	86.2	139.3	134.1	133.8	134.1
16	4.4	1.9	1.1	58.2	95.4	55.2	16.2	87.3	139.3	134.1	117.6	134.1
17	4.2	1.9	1.0	64.4	102.0	52.0	15.8	90.9	139.3	134.1	104.2	133.7
18	4.0	1.8	1.0	70.5	105.2	49.4	15.6	95.1	138.9	134.1	100.7	133.5
19	3.8	1.8	1.0	76.3	109.2	46.6	15.5	98.3	138.9	134.1	95.5	133.3
20	3.6	1.7	1.0	73.8	114.2	43.8	15.3	102.1	138.9	134.1	92.7	133.6
21	3.4	1.7	0.9	67.2	119.5	40.5	15.4	108.1	138.7	134.1	91.5	133.6
22	3.2	1.7	0.9	61.4	123.6	37.6	18.2	115.0	138.4	134.1	90.3	132.9
23	3.1	1.7	0.9	56.9	127.6	35.5	26.3	121.0	138.2	134.1	92.9	132.7
24	3.0	1.6	0.8	52.1	131.1	33.6	39.0	125.7	138.0	134.1	96.5	129.7
25	3.0	1.6	0.8	46.1	133.6	32.2	46.9	131.0	138.0	134.1	99.3	121.4
26	2.9	1.6	0.7	41.1	135.3	31.2	49.9	135.2	137.8	134.1	101.5	104.3
27	2.8	1.5	0.7	37.7	136.4	30.3	52.8	137.1	137.6	134.1	106.2	88.0
28	2.7	1.5	0.6	35.2	137.3	29.4	54.3	138.5	137.6	134.1	114.7	77.2
29	2.6		0.6	33.6	138.2	28.4	53.4	138.9	138.0	134.1	121.5	71.0
30	2.6		0.6	34.6	139.2	27.5	50.4	138.9	137.5	134.1	125.6	66.8
31	2.5		0.6		139.7		47.8	138.7		134.5		63.5
Mean	5.1	2.0	1.1	33.3	101.7	74.2	27.1	95.6	138.5	134.3	119.5	122.2
Maximum	10.0	2.5	1.5	76.3	139.7	140.6	54.3	138.9	139.3	135.4	135.8	134.1
Minimum	2.5	1.5	0.6	0.5	40.0	27.5	15.3	48.4	137.5	134.1	90.3	63.5
Total	14	5	3	86	272	192	72	256	359	360	310	327

(Total flows in million cubic metres per month)

Annual statistics

Mean : 71.6 (cubic metres per second)
Maximum : 140.6 (cubic metres per second)
Minimum : 0.5 (cubic metres per second)
Total : 2257 (million cubic metres)

Comments :

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

River Shebelli at Mahaddey Weyn 1968

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	60.3	21.8	20.7	65.0	142.5	132.8	93.7	85.1	144.1	111.7	133.7	71.6
2	57.9	21.3	21.2	62.4	142.8	132.8	91.3	85.0	144.1	113.7	114.6	75.8
3	55.4	20.9	21.2	56.1	142.8	132.8	88.1	85.8	144.1	115.6	98.1	78.9
4	52.2	20.5	21.6	51.0	143.2	132.8	84.2	87.2	144.1	117.5	90.7	82.3
5	49.7	20.2	22.5	47.4	143.7	132.8	81.7	88.9	144.1	120.5	86.7	85.2
6	47.4	19.8	26.0	45.6	144.1	132.8	79.6	90.0	143.9	123.6	84.7	87.8
7	45.2	19.4	35.8	44.3	144.3	132.8	77.7	91.2	143.7	124.5	84.2	89.7
8	43.4	19.0	46.9	45.1	144.6	132.8	76.9	92.3	143.7	124.4	83.7	90.7
9	41.8	18.6	48.8	46.9	144.6	132.8	76.9	92.9	143.3	124.8	83.1	91.8
10	40.2	18.2	54.4	45.3	145.0	132.8	76.9	93.5	142.8	124.5	79.8	93.6
11	38.7	17.8	62.9	43.4	145.0	132.8	76.9	94.9	142.8	122.6	73.4	91.9
12	37.3	17.5	69.6	41.9	145.2	131.9	76.9	95.7	142.8	120.9	68.0	87.2
13	36.2	17.1	75.4	41.1	145.5	128.7	76.9	94.2	142.4	119.1	63.2	81.5
14	35.2	16.7	79.2	42.0	145.5	124.6	76.9	90.5	142.0	118.0	56.3	77.6
15	34.2	16.4	82.7	46.4	145.5	118.7	76.9	87.2	141.3	116.8	51.2	74.3
16	33.3	16.0	89.2	55.6	145.5	114.2	76.9	89.0	140.8	115.8	49.9	71.5
17	32.3	15.7	95.3	68.7	145.4	111.4	77.2	91.5	138.7	113.7	52.4	69.2
18	31.3	15.3	97.0	80.1	145.1	108.5	77.3	94.0	134.7	112.2	55.1	67.5
19	30.4	14.9	98.6	83.8	145.0	109.2	77.9	97.5	129.5	112.5	54.2	65.2
20	29.5	14.6	99.7	84.8	145.0	108.6	78.7	101.8	125.4	112.6	48.2	61.7
21	28.6	14.3	97.2	88.5	145.0	108.3	80.3	106.9	121.8	114.3	41.7	57.7
22	27.7	14.0	93.2	92.3	145.0	109.0	82.0	112.9	117.6	117.4	39.1	53.6
23	26.8	14.7	90.7	102.3	145.0	111.4	83.7	117.8	113.9	120.1	38.4	49.5
24	25.9	15.8	86.9	109.9	143.4	111.4	83.9	124.5	111.7	120.1	38.0	45.2
25	25.0	16.8	83.7	117.4	137.9	111.3	83.9	132.9	109.1	117.0	39.9	41.7
26	24.3	17.5	82.5	125.8	135.1	111.1	83.9	140.7	107.6	116.0	44.9	39.8
27	23.8	18.3	80.3	133.8	134.2	106.5	83.9	142.7	106.7	114.7	53.5	38.5
28	23.4	18.9	75.6	137.9	134.1	102.1	83.9	143.5	107.1	111.0	61.6	37.8
29	23.0	19.5	72.2	139.9	134.1	97.4	84.5	144.1	107.8	107.7	66.4	36.5
30	22.6		69.7	141.4	134.0	96.4	84.9	144.1	109.8	117.0	69.0	35.1
31	22.2		66.9		132.9		85.3	144.1		129.3		33.9
Mean	35.6	17.6	66.7	76.2	142.3	119.4	81.3	105.9	131.1	117.7	66.8	66.6
Maximum	60.3	21.8	99.7	141.4	145.5	132.8	93.7	144.1	144.1	129.3	133.7	93.6
Minimum	22.2	14.0	20.7	41.1	132.9	96.4	76.9	85.0	106.7	107.7	38.0	33.9
Total	95	44	179	198	381	309	218	284	340	315	173	178

(Total flows in million cubic metres per month)

Annual statistics

Mean : 85.8 (cubic metres per second)
Maximum : 145.5 (cubic metres per second)
Minimum : 14.0 (cubic metres per second)
Total : 2714 (million cubic metres)

Comments :

Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

River Shebelli at Mahaddey Weyn 1969

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	32.6	22.3	18.9	134.0	73.5	147.1	32.8	68.0	141.1	136.3	56.9	23.1
2	31.8	21.6	33.9	131.2	72.4	146.4	31.7	71.1	140.9	136.2	54.8	22.2
3	30.7	21.2	48.1	122.8	77.0	137.0	30.9	73.2	137.9	135.9	51.3	21.8
4	29.3	21.0	57.2	114.7	83.8	118.4	30.2	75.3	136.3	135.8	47.6	21.3
5	28.4	20.8	66.5	107.7	88.9	98.2	29.8	77.6	136.5	134.0	46.0	20.3
6	27.5	20.7	70.5	106.4	90.3	86.5	28.9	82.0	137.2	129.1	44.1	19.9
7	26.8	20.6	73.3	106.8	85.9	69.3	27.8	87.0	137.8	119.6	42.8	19.6
8	26.0	20.5	76.3	107.6	75.1	65.2	28.2	89.5	139.0	116.0	41.4	19.2
9	25.3	20.4	79.9	109.5	74.7	60.0	36.4	92.3	139.3	124.2	40.7	18.8
10	24.9	20.3	82.2	114.7	83.3	52.9	46.8	94.3	139.5	129.9	40.7	18.1
11	24.7	20.3	85.8	119.4	91.7	49.7	50.0	96.3	139.7	125.9	53.0	17.2
12	24.5	20.4	89.9	121.9	99.6	48.2	52.4	99.7	139.9	104.2	67.7	16.4
13	25.7	20.7	94.2	127.2	106.6	48.0	57.4	102.9	140.2	90.9	86.5	15.5
14	26.9	22.5	101.9	131.7	111.3	46.9	56.2	105.5	140.2	83.0	82.8	14.6
15	26.4	23.6	110.7	131.5	116.5	45.9	52.8	108.6	140.1	81.2	73.7	13.9
16	25.4	24.4	117.3	129.9	121.3	45.4	52.1	110.4	138.6	83.7	67.4	13.1
17	25.5	24.9	125.9	126.5	125.4	44.6	52.6	117.8	137.6	84.5	61.3	12.7
18	26.0	25.7	127.1	120.6	128.1	44.0	58.0	124.6	137.3	84.5	56.5	12.5
19	26.2	25.9	126.9	113.4	134.6	42.8	63.2	129.8	136.7	84.0	51.9	12.1
20	25.5	25.7	123.3	103.9	140.8	42.1	68.0	134.2	136.6	83.4	47.6	11.9
21	25.0	25.1	114.9	99.9	143.0	40.9	68.3	139.4	135.9	83.2	44.1	11.8
22	25.0	25.0	110.0	97.0	144.1	39.2	67.2	140.2	135.8	83.2	41.7	11.6
23	25.0	24.6	115.4	95.7	145.0	38.4	64.3	140.2	135.8	81.7	38.0	11.4
24	25.1	23.2	123.5	95.2	145.0	37.9	61.7	140.6	135.5	73.3	34.3	11.3
25	25.6	21.9	127.4	95.1	145.0	37.5	57.1	140.6	133.4	70.0	30.6	11.2
26	25.6	20.2	128.4	95.1	145.0	37.1	55.9	140.6	131.5	75.8	28.3	11.2
27	25.3	18.7	130.4	94.7	145.0	36.6	55.9	141.0	130.9	83.7	27.6	11.2
28	24.7	18.0	131.7	90.7	145.1	35.5	56.7	141.1	131.6	76.5	27.2	11.2
29	24.2		133.0	85.6	145.8	34.6	60.7	141.1	134.2	71.7	26.4	10.9
30	23.5		134.0	80.5	145.9	33.8	65.4	141.1	136.3	68.3	24.7	10.8
31	23.0		134.1		146.0		67.3	141.1		62.2		10.6
Mean	26.2	22.2	99.8	110.4	115.3	60.3	50.5	112.5	137.1	97.8	47.9	15.1
Maximum	32.6	25.9	134.1	134.0	146.0	147.1	68.3	141.1	141.1	136.3	86.5	23.1
Minimum	23.0	18.0	18.9	80.5	72.4	33.8	27.8	68.0	130.9	62.2	24.7	10.6
Total	70	54	267	286	309	156	135	301	355	262	124	40

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	74.9	(cubic metres per second)
Maximum	:	147.1	(cubic metres per second)
Minimum	:	10.6	(cubic metres per second)
Total	:	2361	(million cubic metres)

Data availability

Original values	:	365
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	0

Comments :

River Shebelli at Mahaddey Weyn 1970

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10.3	5.1	11.1	111.4	135.1	88.6	19.6	59.1e	143.7	141.5	143.9	37.0
2	10.3	5.6	11.1e	115.1	138.7	83.4	19.6	66.9e	143.7	141.5	144.1	35.9
3	10.0	8.6	10.7e	119.8	139.5	78.3	19.6	69.2e	143.7	141.5	144.1	33.8
4	9.7	12.7	10.4e	123.5	141.0	72.7	19.6	70.6e	143.7	141.5	144.1	31.5
5	9.7	16.9	10.1e	125.9	142.9	67.9	19.1	72.2e	144.1	141.5	144.2	29.9
6	9.7	24.5	9.7e	122.6	144.7	63.0	18.7	75.0e	143.9	141.5	144.5	28.9
7	9.7	31.6	9.5e	121.8	145.0	56.8	18.2	78.5e	143.7	141.5	144.6	27.7
8	9.7	35.3	9.3e	118.1	145.0	49.7	17.8	81.8e	143.7	141.5	144.6	26.1
9	9.5	35.0	9.0e	106.8	145.0	46.4	17.5	84.1e	143.7	141.5	144.6	24.7
10	9.3	33.0	9.0e	97.0	145.4	42.1	17.1	85.9e	143.7	141.5	145.0	23.8
11	9.2	31.6	17.7e	91.9	145.4	40.0	16.7	87.5e	143.7	141.5	145.0	23.3
12	9.1	31.3	41.9e	91.1	145.1	39.2	16.4	89.4e	143.3	141.5	143.4	23.3
13	9.1	30.9	54.1e	91.1	145.0	38.5	16.0	89.4	142.7	141.9	137.3	23.3
14	9.1	29.2	50.5e	91.1	145.0	37.7	15.7	92.8	142.4	143.2	128.4	23.3
15	9.0	25.4	45.1e	91.1	145.0	35.8	15.3	95.4	142.4	143.7	120.4	23.3
16	9.0	23.2	39.8e	91.0	145.0	34.2	15.2	98.9	142.4	144.1	113.4	23.2
17	8.6	20.7	39.6e	88.6	145.0	33.1	15.2	102.2	142.4	144.1	102.1	22.8
18	8.0	19.1	51.1e	83.4	145.0	32.1	15.2	104.4	142.4	144.2	92.7	22.5
19	7.7	17.6	61.1e	77.3	145.0	31.1	15.2	105.8	142.4	144.9	81.6	22.4
20	7.3	16.8	63.3e	74.2	145.0	29.6	15.0	107.7	142.4	145.0	68.4	22.1
21	6.9	16.2	65.7e	72.3	145.0	28.0	14.9	110.7	142.4	145.0	58.6	21.2
22	6.3	15.0	69.3e	74.8	145.0	26.3	14.7	116.8	142.3	145.0	52.4	20.2
23	6.1	14.3	71.7e	84.0	145.0	24.4	14.5	120.4	142.0	142.9	48.0	19.6
24	6.0	13.5	74.0e	97.7	145.0	22.8	14.3	126.7	141.9	138.3	44.4	19.2
25	6.0	12.5	77.7e	110.2	145.0	21.9	17.2e	131.6	141.9	136.3	42.5	18.9
26	6.0	12.0	81.8e	114.8	145.0	21.3	19.4e	134.8	141.9	136.3	41.1	18.5
27	5.5	11.5	84.9e	115.4	143.4	21.0	21.2e	138.9	141.5	136.3	40.2	18.1
28	5.2	11.2	87.6e	115.7	137.9	20.7	22.0e	142.5	141.5	136.3	39.5	18.1
29	5.2		92.4	125.2	116.0	20.2	23.0e	143.2	141.5	137.5	38.0	18.0
30	5.1		100.4	131.2	106.2	19.9	33.0e	143.5	141.5	139.5	37.3	17.8
31	5.1		105.5		97.3		46.1e	143.7		142.4		17.7
Mean	8.0	20.0	47.6	102.5	140.1	40.9	18.8	102.2	142.7	141.4	100.6	23.7
Maximum	10.3	35.3	105.5	131.2	145.4	88.6	46.1	143.7	144.1	145.0	145.0	37.0
Minimum	5.1	5.1	9.0	72.3	97.3	19.9	14.3	59.1	141.5	136.3	37.3	17.7
Total	21	48	127	266	375	106	50	274	370	379	261	64

(Total flows in million cubic metres per month)

Annual statistics

Mean : 74.3 (cubic metres per second)
Maximum : 145.4 (cubic metres per second)
Minimum : 5.1 (cubic metres per second)
Total : 2342 (million cubic metres)

Data availability

Original values : 319
Estimated values (Flag e) : 46
Missing values (Flag m) : 0

Comments : Original data dubious at start of each flood season

River Shebelli at Mahaddey Weyn 1971

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	17.2	10.3	7.8	4.1	67.4	78.2	81.2e	92.8e	125.7e	128.7e	127.8e	99.1e
2	16.4	10.3	7.6	4.7	63.3	73.1	78.0e	94.8e	129.8e	119.9e	122.1e	94.1e
3	15.8	10.0	7.2	4.3	82.3	69.6	74.4e	95.6e	132.0e	111.2e	119.6e	85.3e
4	15.7	9.7	7.0	4.0	89.3	66.8	72.8e	95.0e	134.0e	104.1e	119.2e	75.5e
5	15.3	9.7	6.7	3.8	91.8	64.8	72.9e	93.5e	137.8e	98.6e	115.3e	68.3e
6	15.0	9.7	6.4	3.8	102.4	66.2	75.3e	91.6e	140.0e	93.8e	104.8e	61.5e
7	14.8	9.6	6.2	3.7	99.0	70.7	78.6e	90.1e	140.0e	90.1e	94.0e	55.3e
8	14.5	9.4	6.1	3.6	87.6	74.9	80.8e	89.1e	140.0e	87.5e	86.7e	50.8e
9	14.2	9.4	6.0	3.6	81.4	71.8	81.8e	89.6e	140.0e	84.2e	81.9e	47.0e
10	13.7	9.3	5.9	4.4	77.0	65.7e	81.7e	91.4e	140.0e	79.9e	79.2e	43.5e
11	13.3	9.3	5.5	8.6	74.0	60.2e	79.2e	94.4e	140.0e	77.2e	76.1e	40.1e
12	12.9	9.1	5.4	13.0	74.7	55.5e	74.4e	97.5e	140.0e	78.2e	73.1e	37.2e
13	12.7	8.8	5.4	16.1	78.7	50.5e	68.9e	99.6e	140.0e	81.5e	69.2e	34.6e
14	12.3	8.7	5.4	15.2	90.8	48.2e	64.7e	99.6e	140.0e	84.5e	63.7e	32.3e
15	12.3	8.6	5.4	13.4	96.7	47.0e	62.6e	98.0e	140.0e	87.5e	58.2e	30.0e
16	12.1	8.5	5.2	15.0	101.1	45.5e	64.9e	96.3e	140.0e	91.2e	52.8e	29.2e
17	11.9	8.4	5.2	26.8	103.9	43.3e	72.6e	96.6e	140.0e	96.3e	47.1e	28.3e
18	11.8	8.4	5.1	35.4	104.6	39.3e	79.8e	98.8e	140.0e	101.8e	42.1e	27.2e
19	11.6	8.4	5.1	40.7	106.1	35.3e	82.3e	101.9e	140.0e	107.5e	38.3e	26.6e
20	11.4	8.3	5.1	50.8	108.6	32.8e	82.2e	104.3e	140.0e	112.0e	35.8e	26.2e
21	11.2	8.2	5.1	59.2	112.8	31.1e	82.5e	106.7e	140.0e	115.6e	34.3e	25.2e
22	11.1	8.2	5.0	68.3	118.2	30.0e	84.3e	108.4e	140.0e	117.8e	33.2e	23.7e
23	11.1	8.2	4.7	75.5	119.7	29.7e	87.2e	109.7e	140.0e	117.6e	32.7e	22.4e
24	10.9	8.2	4.7	78.6	116.7	30.5e	89.5e	111.0e	140.0e	116.1e	37.7e	21.4e
25	10.9	8.2	4.7	81.9	112.2	32.2e	90.7e	111.8e	140.0e	113.9e	53.0e	20.6e
26	10.9	8.0	4.6	83.7	108.3	34.1e	91.4e	112.7e	140.0e	109.5e	73.6e	19.7e
27	10.8	7.9	4.5	83.6	105.1	41.5e	92.1e	113.9e	140.0e	106.4e	88.0e	18.9e
28	10.8	7.9	4.4	80.4	96.3	59.9e	92.6e	115.5e	140.0e	110.5e	94.1e	18.2e
29	10.6		4.4	76.3	90.2	73.6e	91.6e	118.0e	140.0e	125.9e	97.9e	17.6e
30	10.6		4.3	71.6	86.9	79.2e	90.4e	120.8e	136.7e	138.9e	100.2e	17.0e
31	10.5		4.1		82.8		91.0e	123.4e		136.9e		16.4e
Mean	12.7	8.9	5.5	34.5	94.5	53.4	80.4	102.0	138.5	104.0	75.1	39.1
Maximum	17.2	10.3	7.8	83.7	119.7	79.2	92.6	123.4	140.0	138.9	127.8	99.1
Minimum	10.5	7.9	4.1	3.6	63.3	29.7	62.6	89.1	125.7	77.2	32.7	16.4
Total	34	22	15	89	253	138	215	273	359	279	195	105

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	62.7	(cubic metres per second)
Maximum	:	140.0	(cubic metres per second)
Minimum	:	3.6	(cubic metres per second)
Total	:	1977	(million cubic metres)

Data availability

Original values	:	160
Estimated values (Flag e)	:	205
Missing values (Flag m)	:	0

Comments : Original data for June/July dubious; missing thereafter

River Shebelli at Mahaddey Weyn 1972

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	15.9e	10.1e	41.7e	10.2e	116.2e	140.0e	37.0e	116.7e	132.7e	129.8e	96.8e	30.8e
2	15.6e	9.9e	36.4e	9.8e	137.8e	140.0e	33.3e	117.3e	135.8e	123.4e	77.3e	29.0e
3	15.2e	9.8e	32.3e	10.1e	140.0e	140.0e	30.7e	117.2e	138.1e	113.7e	67.6e	28.1e
4	14.7e	9.7e	28.9e	13.0e	140.0e	140.0e	29.4e	117.5e	139.8e	110.2e	65.5e	26.6e
5	14.3e	9.6e	26.1e	24.1e	140.0e	140.0e	28.8e	117.7e	140.0e	111.2e	66.5e	25.6e
6	13.9e	9.5e	23.5e	33.6e	140.0e	140.0e	28.7e	117.6e	140.0e	112.5e	78.6e	25.8e
7	13.6e	9.4e	21.4e	34.3e	140.0e	140.0e	29.6e	116.9e	140.0e	113.3e	92.3e	26.4e
8	13.3e	9.2e	19.8e	31.9e	140.0e	139.6e	38.8e	115.2e	140.0e	112.9e	97.3e	25.8e
9	12.9e	9.1e	18.3e	29.3e	140.0e	125.4e	52.9e	112.4e	140.0e	113.3e	98.5e	24.7e
10	12.6e	9.0e	17.2e	26.8e	140.0e	107.2e	57.7e	109.3e	140.0e	106.7e	101.1e	24.5e
11	12.5e	8.8e	16.1e	24.3e	140.0e	91.1e	57.0e	106.3e	140.0e	99.7e	103.6e	24.8e
12	12.3e	8.7e	15.1e	22.6e	140.0e	79.5e	58.3e	103.7e	140.0e	101.0e	104.0e	24.5e
13	12.1e	8.5e	14.2e	21.5e	140.0e	78.0e	60.3e	102.3e	140.0e	109.4e	102.6e	23.7e
14	12.0e	8.4e	13.6e	20.9e	140.0e	72.4e	62.3e	102.9e	140.0e	122.7e	99.5e	22.7e
15	12.3e	8.3e	13.3e	20.3e	140.0e	63.2e	65.2e	104.9e	140.0e	140.0e	97.5e	21.5e
16	13.1e	8.2e	13.3e	19.4e	140.0e	57.5e	69.8e	108.0e	140.0e	140.0e	96.6e	20.3e
17	13.8e	8.1e	13.9e	18.2e	140.0e	55.0e	75.5e	111.9e	140.0e	129.6e	99.4e	19.4e
18	14.0e	8.1e	17.1e	17.0e	140.0e	53.3e	80.8e	115.1e	140.0e	123.4e	99.4e	18.5e
19	13.7e	8.0e	20.5e	15.8e	140.0e	50.1e	84.1e	117.8e	140.0e	121.3e	94.5e	18.0e
20	13.5e	8.0e	21.0e	14.8e	140.0e	46.4e	85.2e	120.1e	140.0e	119.3e	85.2e	17.5e
21	13.4e	8.1e	19.9e	15.3e	140.0e	43.0e	87.3e	121.8e	140.0e	120.9e	73.5e	16.8e
22	13.0e	10.0e	18.3e	19.4e	140.0e	39.8e	91.9e	123.6e	140.0e	123.7e	63.2e	16.2e
23	12.6e	22.1e	16.8e	28.8e	140.0e	37.0e	94.6e	125.1e	140.0e	121.7e	56.3e	15.8e
24	12.2e	43.2e	15.5e	50.6e	140.0e	35.0e	96.4e	125.6e	140.0e	116.0e	51.4e	15.4e
25	12.1e	56.5e	14.3e	72.1e	140.0e	33.2e	99.2e	125.4e	140.0e	108.4e	47.1e	15.1e
26	11.9e	59.2e	13.5e	83.0e	123.1e	31.6e	102.3e	124.4e	140.0e	100.2e	43.4e	14.7e
27	11.6e	57.8e	12.8e	89.0e	130.3e	31.8e	105.5e	123.7e	140.0e	94.0e	40.3e	14.1e
28	11.5e	53.7e	12.3e	93.9e	140.0e	38.0e	108.1e	123.7e	137.8e	93.8e	37.8e	13.6e
29	11.2e	47.9e	11.7e	98.2e	140.0e	43.3e	110.7e	125.2e	135.4e	96.7e	35.7e	13.3e
30	10.9e		11.1e	103.1e	140.0e	41.6e	113.6e	127.1e	131.3e	95.4e	33.6e	13.0e
31	10.7e		10.6e		140.0e		115.4e	129.2e		105.2e		12.8e
Mean	13.0	18.5	18.7	35.7	138.3	79.1	70.7	116.9	139.0	113.8	76.9	20.6
Maximum	15.9	59.2	41.7	103.1	140.0	140.0	115.4	129.2	140.0	140.0	104.0	30.8
Minimum	10.7	8.0	10.6	9.8	116.2	31.6	28.7	102.3	131.3	93.8	33.6	12.8
Total	35	46	50	93	370	205	189	313	360	305	199	55

(Total flows in million cubic metres per month)

Annual statistics

Mean : 70.3 (cubic metres per second)
Maximum : 140.0 (cubic metres per second)
Minimum : 8.0 (cubic metres per second)
Total : 2222 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 366
Missing values (Flag m) : 0

Comments : No original data for this year; all values estimated

River Shebelli at Mahaddey Weyn 1973

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	12.8e	8.7e	6.6e	4.9e	22.5e	81.9e	13.3e	75.2e	117.6e	113.4e	105.2e	12.7e
2	12.5e	8.6e	6.5e	4.8e	33.8e	88.1e	13.1e	79.1e	120.0e	112.0e	101.0e	12.2e
3	12.2e	8.5e	6.4e	4.6e	30.5e	92.5e	12.7e	80.2e	123.4e	110.7e	93.8e	11.8e
4	11.9e	8.5e	6.4e	4.5e	38.5e	89.8e	12.4e	80.0e	127.9e	108.9e	83.1e	11.6e
5	11.9e	8.4e	6.4e	4.4e	59.7e	77.8e	11.9e	79.2e	133.2e	106.2e	71.2e	11.3e
6	12.0e	8.3e	6.3e	4.4e	67.3e	62.8e	11.4e	77.0e	138.7e	102.5e	60.2e	10.9e
7	11.9e	8.3e	6.2e	4.5e	65.9e	51.1e	10.9e	72.9e	140.0e	97.2e	52.9e	10.7e
8	11.7e	8.1e	6.0e	4.5e	76.1e	42.7e	10.6e	67.3e	140.0e	91.2e	59.7e	10.4e
9	11.4e	8.0e	6.0e	4.5e	70.0e	36.4e	10.2e	61.2e	140.0e	86.5e	53.5e	10.1e
10	11.3e	7.9e	6.0e	4.5e	79.6e	32.6e	10.0e	56.0e	140.0e	87.4e	42.4e	9.9e
11	11.3e	7.8e	6.0e	4.5e	71.8e	30.6e	12.5e	54.1e	140.0e	82.3e	36.8e	9.7e
12	11.1e	7.8e	6.0e	4.5e	44.1e	28.5e	16.0e	56.5e	140.0e	75.0e	32.7e	9.6e
13	10.9e	7.7e	5.8e	4.4e	28.7e	25.8e	17.5e	57.5e	137.2e	68.8e	30.2e	9.4e
14	10.7e	7.7e	5.7e	4.4e	22.2e	23.3e	17.4e	59.0e	135.7e	64.8e	28.4e	9.2e
15	10.7e	7.6e	5.7e	4.4e	19.9e	21.2e	16.8e	66.6e	135.8e	67.2e	26.8e	9.1e
16	10.6e	7.5e	5.6e	4.4e	24.2e	19.4e	15.8e	78.3e	135.3e	76.8e	25.3e	9.0e
17	10.6e	7.5e	5.5e	4.6e	35.7e	18.7e	15.2e	87.1e	134.7e	88.4e	23.7e	8.8e
18	10.5e	7.4e	5.5e	4.7e	39.9e	19.0e	15.3e	91.3e	134.8e	97.0e	22.2e	8.4e
19	10.3e	7.3e	5.4e	4.7e	40.0e	19.0e	15.3e	93.1e	134.5e	109.6e	21.0e	8.2e
20	10.0e	7.3e	5.4e	4.5e	41.2e	18.9e	15.2e	93.8e	133.5e	114.5e	20.1e	8.0e
21	9.9e	7.3e	5.4e	4.3e	42.6e	19.8e	15.1e	93.7e	131.3e	111.9e	19.0e	8.0e
22	9.7e	7.2e	5.4e	4.3e	48.1e	20.0e	15.6e	94.3e	129.0e	113.2e	18.2e	7.9e
23	9.5e	7.1e	5.4e	4.2e	47.3e	18.9e	17.9e	96.0e	127.8e	117.6e	17.5e	7.8e
24	9.4e	6.9e	5.3e	4.2e	56.5e	17.7e	22.6e	98.8e	127.1e	122.0e	16.7e	7.7e
25	9.3e	6.8e	5.2e	4.1e	78.2e	17.0e	25.7e	101.8e	126.5e	124.6e	16.0e	7.5e
26	9.3e	6.8e	5.1e	4.1e	81.3e	17.0e	27.1e	104.4e	126.2e	125.5e	15.3e	7.5e
27	9.3e	6.8e	5.0e	4.1e	72.2e	17.6e	29.5e	106.5e	125.3e	121.5e	14.6e	7.4e
28	9.2e	6.7e	5.0e	4.1e	65.3e	16.4e	32.9e	109.5e	123.3e	113.5e	13.9e	7.3e
29	9.1e		4.9e	4.2e	62.0e	14.9e	38.4e	111.9e	119.0e	109.2e	13.5e	7.2e
30	9.0e		4.9e	4.9e	63.9e	13.9e	51.6e	113.6e	115.5e	109.0e	13.2e	7.1e
31	8.9e		4.9e		73.5e		66.3e	115.7e		107.9e		7.1e
Mean	10.6	7.7	5.7	4.4	51.7	35.1	19.9	84.3	131.1	101.2	38.3	9.2
Maximum	12.8	8.7	6.6	4.9	81.3	92.5	66.3	115.7	140.0	125.5	105.2	12.7
Minimum	8.9	6.7	4.9	4.1	19.9	13.9	10.0	54.1	115.5	64.8	13.2	7.1
Total	28	19	15	11	138	91	53	226	340	271	99	25

(Total flows in million cubic metres per month)

Annual statistics

Mean : 41.7 (cubic metres per second)
Maximum : 140.0 (cubic metres per second)
Minimum : 4.1 (cubic metres per second)
Total : 1317 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data for this year; all values estimated

River Shebelli at Mahaddey Weyn 1974

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	7.0e	5.6e	2.8e	0.2e	27.1e	71.3	60.3	72.9	109.5	113.2	38.5	16.9
2	6.8e	5.5e	2.7e	0.2e	25.6e	59.8	55.3	68.6	110.9	112.2	37.7	15.3
3	6.7e	5.4e	2.6e	0.1e	24.5e	52.0	52.6	66.1	111.7	114.7	35.5	15.1
4	6.6e	5.3e	2.5e	0.0e	22.7e	45.5	49.9	67.5	112.5	116.6	33.8	14.6
5	6.5e	5.2e	2.5e	24.0e	21.0e	40.4	48.6	71.2	113.3	118.5	32.7	14.0
6	6.5e	5.1e	2.4e	41.7e	19.8e	37.5	47.6	86.5	114.4	120.2	31.8	13.6
7	6.4e	4.9e	2.3e	63.4e	18.5e	34.0	47.1	93.1	115.0	121.5	30.2	13.2
8	6.4e	4.8e	2.2e	80.2e	17.3e	40.1	46.3	99.4	115.7	121.9	27.5	12.9
9	6.4e	4.7e	2.1e	86.4e	17.4e	69.6	46.5	103.0	116.9	122.3	27.2	12.4
10	6.3e	4.6e	2.0e	91.9e	24.8e	92.5	47.8	104.2	117.9	122.5	27.8	12.1
11	6.2e	4.5e	2.0e	97.5e	32.9	104.8	48.7	105.5	119.1	123.9	27.4	11.7
12	6.2e	4.4e	1.9e	102.8e	32.5	107.7	46.9	105.6	119.4	118.1	26.7	11.3
13	6.1e	4.3e	1.8e	106.1e	30.8	106.5	44.1	103.9	119.5	108.2	26.5	11.2
14	6.0e	4.2e	1.7e	108.0e	26.3	104.1	42.8	98.7	121.3	99.0	26.4	11.1
15	6.0e	4.1e	1.6e	107.0e	22.9	96.9	40.9	100.0	122.5	96.9	28.4	10.9
16	6.0e	4.0e	1.6e	102.1e	24.7	92.0	45.4	101.4	124.1	88.4	29.4	10.8
17	6.0e	3.9e	1.5e	95.3e	29.2	90.1	76.3	104.2	125.5	83.0	29.4	10.6
18	5.9e	3.8e	1.4e	90.9e	36.4	88.9	91.4	105.9	126.6	81.6	28.2	10.4
19	5.9e	3.7e	1.3e	78.5e	68.2	82.9	99.5	107.7	127.7	78.6	26.8	9.9
20	6.0e	3.6e	1.2e	68.1e	89.9	76.3	104.3	110.2	129.7	74.9	25.7	9.5
21	6.0e	3.5e	1.1e	66.5e	98.5	69.0	106.3	112.4	130.2	70.5	25.0	9.0
22	6.0e	3.4e	1.1e	67.5e	102.4	64.5	107.7	114.1	130.2	67.1	27.7	8.9
23	6.0e	3.3e	1.0e	66.5e	105.9	61.2	108.6	115.7	129.9	63.8	30.0	8.8
24	6.0e	3.2e	0.9e	59.5e	109.0	59.5	109.6	117.2	129.4	59.1	29.2	8.6
25	6.0e	3.1e	0.8e	51.2e	113.0	60.4	109.3	118.1	128.2	53.8	27.2	8.3
26	6.3e	3.0e	0.7e	46.4e	115.6	68.3	102.6	117.0	126.1	51.5	24.2	8.2
27	6.3e	2.9e	0.7e	42.6e	116.5	76.6	99.3	114.7	124.1	49.6	20.1	8.0
28	6.2e	2.9e	0.6e	40.6e	115.1	77.4	95.4	113.3	123.0	46.9	19.5	8.2
29	6.1e		0.5e	36.0e	111.8	72.9	90.8	110.0	122.1	44.2	19.1	8.6
30	6.0e		0.4e	30.5e	103.4	66.0	85.4	108.3	121.4	41.8	18.3	8.9
31	5.8e		0.3e		88.2		78.9	108.6		39.8		9.2
Mean	6.2	4.2	1.6	61.7	57.8	72.3	72.1	100.8	121.3	87.9	27.9	11.0
Maximum	7.0	5.6	2.8	108.0	116.5	107.7	109.6	118.1	130.2	123.9	38.5	16.9
Minimum	5.8	2.9	0.3	0.0	17.3	34.0	40.9	66.1	109.5	39.8	18.3	8.0
Total	17	10	4	160	155	187	193	270	314	235	72	30

(Total flows in million cubic metres per month)

Annual statistics

Mean : 52.3 (cubic metres per second)
Maximum : 130.2 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1648 (million cubic metres)

Data availability

Original values : 235
Estimated values (Flag e) : 130
Missing values (Flag m) : 0

Comments : River did not reach bank-full level in either flood season

River Shebelli at Mahaddey Weyn 1975

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	9.3	4.4	2.2	0.0e	32.6	114.8e	20.1e	107.5e	140.0e	140.0e	93.9e	21.0e
2	8.9	4.4	2.2	0.0e	36.1	114.9e	18.4e	106.5e	140.0e	140.0e	81.6e	20.5e
3	8.8	4.4	2.2	0.0e	42.0	113.4e	17.6e	106.0e	140.0e	140.0e	73.2e	19.8e
4	8.4	4.3	2.1	0.0e	48.5	110.3e	18.1e	106.9e	140.0e	140.0e	70.6e	18.1e
5	8.0	4.1	2.1	0.0e	59.7	102.0e	25.6e	106.9e	140.0e	140.0e	62.8e	17.1e
6	7.6	4.1	2.1	0.0e	70.5	95.9e	37.6e	108.1e	140.0e	140.0e	54.9e	16.8e
7	6.8	3.9	2.0	0.0e	60.9	93.9e	41.0e	112.1e	140.0e	140.0e	51.1e	16.2e
8	6.7	3.8	2.0	0.0e	51.7	99.2e	39.2e	114.1e	140.0e	140.0e	48.2e	15.6e
9	6.6	3.8	2.0	0.0e	44.7	105.5e	38.2e	115.0e	140.0e	140.0e	44.6e	15.5e
10	6.6	3.7	2.0	0.0e	40.3	100.6e	37.1e	116.8e	140.0e	140.0e	40.0e	16.1e
11	6.5	3.7	1.9	0.0e	38.4	89.9e	38.2e	118.4e	140.0e	140.0e	36.9e	16.0e
12	6.4	3.6	1.9	0.0e	38.1	74.7e	41.2e	119.3e	140.0e	140.0e	35.7e	15.2e
13	6.4	3.5	1.9	0.0e	51.9	61.4e	46.1e	118.3e	140.0e	140.0e	34.3e	14.6e
14	6.2	3.2	1.8	0.0e	68.3	48.1e	47.2e	117.4e	140.0e	140.0e	34.7e	14.0e
15	6.1	3.2	1.8	0.0e	71.4	36.8e	43.8e	117.4e	140.0e	134.5e	44.9e	13.6e
16	5.8	3.1	1.7	0.0e	65.1	32.3e	39.9e	118.9e	140.0e	123.2e	52.0e	13.2e
17	5.2	3.1	1.5	0.0e	55.3	30.2e	37.5e	121.0e	140.0e	115.8e	48.1e	12.9e
18	5.0	3.0	1.5	0.0e	48.7	27.8e	37.4e	122.4e	140.0e	111.3e	39.0e	12.7e
19	5.0	3.0	1.5	8.3e	46.4e	26.1e	42.8e	123.9e	140.0e	108.2e	32.5e	12.4e
20	4.9	2.9	1.4	37.2e	46.2e	23.7e	52.3e	125.8e	140.0e	106.6e	30.9e	12.1e
21	4.8	2.9	1.3e	32.3e	49.3e	21.8e	63.2e	127.5e	140.0e	99.2e	31.2e	11.3e
22	4.7	2.9	1.1e	15.0e	69.9e	21.0e	72.7e	129.6e	140.0e	89.0e	30.8e	10.7e
23	4.7	2.8	1.0e	17.0e	89.1e	20.7e	75.1e	130.4e	140.0e	81.8e	27.7e	10.4e
24	4.7	2.7	0.8e	47.1e	99.2e	20.6e	74.7e	131.2e	140.0e	78.9e	24.9e	9.9e
25	4.6	2.3	0.7e	71.0e	105.3e	21.9e	80.1e	132.4e	140.0e	80.1e	23.4e	9.5e
26	4.6	2.3	0.6e	72.2e	109.5e	24.1e	89.0e	134.1e	140.0e	87.0e	22.4e	9.2e
27	4.5	2.2	0.4e	69.9e	111.0e	25.6e	94.1e	136.3e	140.0e	88.6e	22.0e	8.8e
28	4.5	2.2	0.3e	69.8e	110.0e	26.2e	97.2e	138.1e	140.0e	83.3e	22.8e	8.4e
29	4.5		0.1e	68.1e	108.5e	25.7e	97.4e	139.6e	140.0e	88.0e	24.2e	7.9e
30	4.4		0.0e	53.2e	108.0e	22.6e	102.3e	140.0e	140.0e	97.7e	22.8e	7.6e
31	4.4		0.0e		111.2e		106.9e	140.0e		99.8e		7.1e
Mean	6.0	3.3	1.4	18.7	67.3	57.7	53.9	122.0	140.0	117.2	42.1	13.4
Maximum	9.3	4.4	2.2	72.2	111.2	114.9	106.9	140.0	140.0	140.0	93.9	21.0
Minimum	4.4	2.2	0.0	0.0	32.6	20.6	17.6	106.0	140.0	78.9	22.0	7.1
Total	16	8	4	48	180	150	144	327	363	314	109	36

(Total flows in million cubic metres per month)

Annual statistics

Mean : 53.9 (cubic metres per second)
Maximum : 140.0 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1699 (million cubic metres)

Data availability

Original values : 97
Estimated values (Flag e) : 268
Missing values (Flag m) : 0

Comments : Little original data available

River Shebelli at Mahaddey Weyn 1976

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.7e	0.8e	0.0e	0.0e	134.3	147.2	90.7	98.0	138.9	126.3	62.3	87.0e
2	6.5e	0.7e	0.0e	0.0e	129.6	147.5	90.7	98.1	139.1	118.6	59.7	82.6e
3	6.6e	0.6e	0.0e	0.0e	118.6	147.5	90.8	98.1	142.8	117.8	59.4	77.5e
4	6.5e	0.6e	0.0e	0.0e	105.8	147.2	91.4	99.0	143.1	117.8	59.5	68.8e
5	6.3e	0.5e	0.0e	0.0e	98.5	147.2	91.3	100.4	141.1	117.8	63.0	63.0e
6	6.1e	0.4e	0.0e	0.0e	91.4	147.2	89.8	100.3	140.0	116.9	65.5	58.6e
7	5.9e	0.4e	0.0e	0.0e	90.2	147.2	89.0	100.6	139.1	114.8	65.8	52.8e
8	5.5e	0.3e	0.0e	0.0e	90.1	147.2	80.0	101.0	138.7	113.7	68.7	46.0e
9	5.2e	0.2e	0.0e	0.0e	90.9	147.2	79.0	101.2	135.9	112.7	71.1	42.0e
10	5.0e	0.1e	0.0e	0.0e	94.2	146.8	79.0	101.4	134.5	109.9	72.3	39.6e
11	4.8e	0.1e	0.0e	0.0e	99.2	146.8	78.1	102.1	134.5	109.5	73.8	37.4e
12	4.7e	0.0e	0.0e	0.0e	111.3	146.8	76.1	102.0	134.5	104.4	75.6	35.5e
13	4.5e	0.0e	0.0e	0.0e	126.8	146.6	69.6	102.1	134.7	102.0	78.8	34.5e
14	4.3e	0.0e	0.0e	0.0e	132.2	146.4	68.9	103.4	136.5	102.0	81.9	33.7e
15	3.6e	0.0e	0.0e	0.0e	135.6	146.2	68.9	104.2	137.7	101.8	84.9	32.5e
16	3.0e	0.0e	0.0e	3.9e	138.7	145.9	68.7	104.6	138.9	98.5	86.9	30.9e
17	2.5e	0.0e	0.0e	26.4e	139.7	145.9	68.9	106.7	138.9	97.3	89.6	29.2e
18	2.0e	0.0e	0.0e	57.4	142.0	145.9	76.4	110.7	139.0	95.4	92.1	27.6e
19	1.7e	0.0e	0.0e	81.0	142.4	145.9	85.7	113.1	140.1	94.4	93.0	26.7e
20	1.7e	0.0e	0.0e	95.8	143.2	145.9	89.5	115.7	142.8	93.5	95.1	25.9e
21	1.6e	0.0e	0.0e	114.3	143.5	145.8	92.0	120.8	143.3	86.6	96.7	25.1e
22	1.5e	0.0e	0.0e	122.7	141.3	143.1	92.6	125.6	143.4	83.6	91.4	24.3e
23	1.4e	0.0e	0.0e	128.9	140.7	118.2	94.2	126.0	145.3	80.9	89.7	23.5e
24	1.4e	0.0e	0.0e	134.1	146.2	102.3	94.9	126.1	144.2	78.8	89.5	22.8e
25	1.3e	0.0e	0.0e	134.5	146.6	95.7e	97.9	127.4	138.3	75.7	87.2	22.1e
26	1.2e	0.0e	0.0e	134.5	146.8	98.3e	98.1	127.9	136.6	72.4	86.9	21.4e
27	1.2e	0.0e	0.0e	134.5	146.8	94.3e	98.1	128.4	134.7	69.9	89.5	20.7e
28	1.1e	0.0e	0.0e	134.5	146.8	91.6e	98.1	130.2	134.5	68.2	90.8	20.0e
29	1.0e	0.0e	0.0e	134.5	146.8	92.0e	98.1	131.9	134.1	67.3	91.4	19.4e
30	0.9e		0.0e	134.5	147.2	90.3e	97.6	136.4	132.7	65.6	91.4	18.8e
31	0.9e		0.0e		147.2		96.4	138.7		62.8		18.2e
Mean	3.4	0.2	0.0	52.4	127.6	133.5	86.5	112.3	138.6	96.0	80.1	37.7
Maximum	6.7	0.8	0.0	134.5	147.2	147.5	98.1	138.7	145.3	126.3	96.7	87.0
Minimum	0.9	0.0	0.0	0.0	90.1	90.3	68.7	98.0	132.7	62.8	59.4	18.2
Total	9	0	0	136	342	346	232	301	359	257	208	101

(Total flows in million cubic metres per month)

Annual statistics

Mean : 72.4 (cubic metres per second)
Maximum : 147.5 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 2291 (million cubic metres)

Data availability

Original values : 221
Estimated values (Flag e) : 145
Missing values (Flag m) : 0

Comments : Quality of data uncertain; little reliable data at other stations for checking

River Shebelli at Mahaddey Weyn 1977

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	18.2e	13.7e	14.9e	14.0e	131.1	85.5e	41.9e	119.8e	138.0e	138.0e	142.4	151.3
2	17.4e	13.6e	21.7e	13.8e	129.1	66.8e	40.8e	120.8e	138.0e	138.0e	142.6	151.3
3	17.1e	12.5e	26.3e	13.9e	128.8	69.9e	42.6e	122.2e	138.0e	138.0e	143.0	151.3
4	16.5e	12.0e	28.3e	16.3e	130.2	78.6e	45.8e	122.9e	138.0e	138.0e	143.3	150.9
5	16.3e	11.5e	28.3e	21.6e	131.4	82.9e	46.7e	121.6e	138.0e	138.0e	143.3	150.4
6	16.3e	11.2e	27.2e	24.0e	135.4	85.2e	47.7e	120.5e	138.0e	138.0e	143.3	150.0
7	16.3e	10.8e	24.2e	24.2e	140.7	83.6e	49.8e	120.1e	138.0e	138.0e	143.3	149.9
8	16.3e	11.6e	21.7e	22.4e	144.3	79.3e	52.4e	118.7e	138.0e	138.0e	143.5	149.9
9	16.3e	17.7e	22.0e	22.3e	145.6	73.8e	55.2e	118.1e	138.0e	138.0e	147.3	149.7
10	16.3e	19.7e	21.0e	21.9e	147.5	69.7e	60.2e	117.3e	138.0e	138.0e	147.6	149.1
11	16.3e	18.9e	19.4e	22.0e	148.3	69.1e	62.3e	113.6e	138.0e	138.0e	146.5	148.4
12	16.3e	18.0e	18.5e	17.3	149.6	74.4e	59.9e	111.6e	138.0e	138.0e	145.6	147.9
13	15.9e	17.8e	17.4e	19.3	149.1	81.2e	57.5e	113.8e	138.0e	138.9	147.5	147.7
14	15.5e	17.1e	16.5e	29.4	147.8	87.1e	56.3e	122.5e	138.0e	138.5	147.7	147.7
15	15.4e	16.3e	16.2e	48.5	147.7	88.6e	59.0e	129.4e	138.0e	138.0	147.7	147.6
16	15.4e	18.2e	15.9e	78.3	147.7	88.8e	65.9e	131.3e	138.0e	138.4	147.7	145.2
17	15.4e	19.4e	14.9e	122.6	148.3	89.8e	71.7e	134.1e	138.0e	138.8	147.8	142.3
18	14.9e	19.6e	14.4e	138.6	149.2	86.0e	79.1e	137.4e	138.0e	138.9	149.7	139.0
19	14.8e	19.1e	13.8e	141.0	149.5	85.7e	90.8e	138.0e	138.0e	138.9	149.9	136.4
20	14.7e	19.0e	13.0e	138.8	149.3	87.9e	105.8e	138.0e	138.0e	138.9	149.9	134.2
21	14.6e	19.2e	11.9e	130.7	149.2	79.3e	112.9e	138.0e	138.0e	139.0	149.9	125.8
22	14.0e	19.1e	10.4e	132.2	149.0	67.6e	113.7e	138.0e	138.0e	140.8	149.9	121.0
23	13.7e	17.6e	9.2e	134.7	149.0	62.3e	114.3e	138.0e	138.0e	141.1	149.9	118.0
24	13.1e	17.0e	8.1e	135.5	148.6	59.1e	115.0e	138.0e	138.0e	141.1	149.9	117.6
25	12.9e	15.9e	8.3e	134.5	148.0	54.2e	116.0e	138.0e	138.0e	141.1	150.4	113.7
26	13.0e	14.3e	9.1e	135.6	147.7	48.7e	116.8e	138.0e	138.0e	141.1	151.2	110.9
27	13.5e	14.3e	11.9e	140.7	146.7	43.8e	117.4e	138.0e	138.0e	141.1	151.3	108.0
28	13.7e	13.7e	12.9e	144.3	131.8	40.6e	118.0e	138.0e	138.0e	141.3	151.3	98.6
29	13.7e		12.4e	144.5	127.7	39.0e	118.4e	138.0e	138.0e	141.5	151.3	82.9
30	13.7e		12.8e	140.8	123.6	40.2e	118.3e	138.0e	138.0e	141.5	151.3	69.7
31	13.7e		13.6e		120.9		118.8e	138.0e		141.9		62.5
Mean	15.2	16.0	16.7	77.5	141.7	71.6	79.7	128.7	138.0	139.2	147.5	131.2
Maximum	18.2	19.7	28.3	144.5	149.6	89.8	118.8	138.0	138.0	141.9	151.3	151.3
Minimum	12.9	10.8	8.1	13.8	120.9	39.0	40.8	111.6	138.0	138.0	142.4	62.5
Total	41	39	45	201	380	186	213	345	358	373	382	352

(Total flows in million cubic metres per month)

Annual statistics

Mean : 92.4 (cubic metres per second)
Maximum : 151.3 (cubic metres per second)
Minimum : 8.1 (cubic metres per second)
Total : 2913 (million cubic metres)

Comments : A very extended Der flood

Data availability

Original values : 130
Estimated values (Flag e) : 235
Missing values (Flag m) : 0

River Shebelli at Mahaddey Weyn 1978

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	43.9e	18.9e	12.5e	64.4e	72.8e	69.8e	20.2e	111.4e	140.0e	140.0e	140.0e	43.4e
2	42.8e	18.2e	12.4e	55.1e	80.3e	63.6e	19.9e	114.4e	140.0e	140.0e	140.0e	42.9e
3	41.3e	18.0e	12.4e	53.2e	84.7e	59.7e	19.3e	116.1e	140.0e	140.0e	140.0e	42.4e
4	38.1e	18.0e	12.4e	51.8e	84.8e	56.9e	18.8e	117.7e	140.0e	140.0e	140.0e	42.0e
5	37.0e	18.0e	12.4e	48.2e	79.4e	53.0e	18.5e	116.3e	140.0e	140.0e	140.0e	41.9e
6	36.3e	17.9e	12.4e	45.3e	72.7e	50.3e	18.4e	114.0e	140.0e	140.0e	140.0e	41.7e
7	35.1e	17.5e	12.6e	43.7e	67.0e	48.3e	18.8e	116.0e	140.0e	140.0e	140.0e	38.5e
8	34.8e	17.2e	14.6e	42.3e	63.8e	45.9e	19.5e	121.7e	140.0e	140.0e	140.0e	39.6e
9	35.2e	17.1e	27.2e	41.3e	62.4e	43.5e	19.9e	123.8e	140.0e	140.0e	140.0e	45.7e
10	35.5e	16.7e	63.4e	40.6e	71.2e	41.4e	19.7e	124.4e	140.0e	140.0e	140.0e	48.6e
11	35.0e	16.4e	92.5e	37.9e	76.7e	40.2e	19.2e	126.0e	140.0e	140.0e	140.0e	47.9e
12	34.2e	16.0e	101.5e	35.4e	75.3e	37.2e	18.8e	127.4e	140.0e	140.0e	140.0e	45.9e
13	33.2e	15.7e	105.3e	34.7e	73.8e	34.5e	19.2e	128.3e	140.0e	140.0e	140.0e	44.2e
14	31.7e	15.3e	108.9e	42.8e	73.1e	33.6e	20.1e	129.7e	140.0e	140.0e	140.0e	42.2e
15	30.5e	15.1e	111.5e	57.6e	83.8e	33.5e	24.4e	131.1e	140.0e	140.0e	124.3e	39.6e
16	30.2e	15.0e	112.4e	59.2e	102.6e	33.1e	31.0e	132.1e	140.0e	140.0e	110.4e	38.0e
17	30.1e	14.6e	112.4e	54.3e	104.0e	32.3e	42.3e	132.6e	140.0e	140.0e	97.3e	36.5e
18	29.8e	14.3e	111.1e	54.4e	103.3e	31.5e	56.5e	133.6e	140.0e	140.0e	86.7e	34.5e
19	29.4e	13.9e	108.4e	53.8e	109.4e	31.2e	65.7e	135.9e	140.0e	140.0e	78.1e	32.5e
20	27.9e	13.7e	107.6e	50.0e	113.1e	31.0e	71.7e	137.5e	140.0e	140.0e	72.3e	30.6e
21	26.6e	13.5e	108.0e	45.3e	116.0e	30.5e	75.2e	138.6e	140.0e	140.0e	65.0e	28.6e
22	25.8e	13.4e	104.7e	41.7e	120.1e	30.2e	74.5e	140.0e	140.0e	140.0e	55.7e	27.3e
23	24.6e	13.2e	96.9e	42.1e	122.0e	29.8e	74.1e	140.0e	140.0e	140.0e	57.4e	26.3e
24	23.8e	13.1e	88.7e	44.3e	121.1e	29.5e	78.5e	140.0e	140.0e	140.0e	56.7e	25.6e
25	23.4e	13.0e	82.6e	46.4e	116.7e	29.2e	84.2e	140.0e	140.0e	140.0e	52.7e	25.7e
26	22.5e	12.9e	81.5e	47.8e	104.9e	28.3e	86.6e	140.0e	140.0e	140.0e	50.8e	25.1e
27	22.1e	12.8e	79.5e	44.9e	93.2e	26.8e	86.9e	140.0e	140.0e	140.0e	48.7e	23.8e
28	22.4e	12.7e	74.7e	48.1e	87.9e	22.8e	91.3e	140.0e	140.0e	140.0e	47.4e	23.0e
29	21.9e		69.9e	54.1e	85.4e	20.3e	100.3e	140.0e	140.0e	140.0e	46.8e	22.4e
30	21.1e		67.1e	62.8e	80.8e	20.2e	105.2e	140.0e	140.0e	140.0e	45.0e	22.0e
31	19.9e		73.4e		75.6e		108.2e	140.0e		140.0e		21.9e
Mean	30.5	15.4	70.7	48.1	89.6	37.9	49.3	130.0	140.0	140.0	101.8	35.2
Maximum	43.9	18.9	112.4	64.4	122.0	69.8	108.2	140.0	140.0	140.0	140.0	48.6
Minimum	19.9	12.7	12.4	34.7	62.4	20.2	18.4	111.4	140.0	140.0	45.0	21.9
Total	82	37	189	125	240	98	132	348	363	375	264	94

(Total flows in million cubic metres per month)

Annual statistics

Mean : 74.4 (cubic metres per second)
Maximum : 140.0 (cubic metres per second)
Minimum : 12.4 (cubic metres per second)
Total : 2347 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data for this year; all values estimated

River Shebelli at Mahaddey Weyn 1979

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	20.7e	16.1e	44.2e	90.4e	74.2e	107.7e	61.1e	67.7e	119.0e	64.5e	109.9e	24.3e
2	19.8e	26.6e	56.1e	89.7e	66.0e	125.8e	60.1e	68.6e	108.0e	68.5e	112.7e	23.4e
3	19.6e	40.3e	66.4e	87.3e	55.3e	130.1e	60.4e	70.4e	95.5e	71.6e	113.8e	22.4e
4	19.5e	44.8e	66.7e	82.9e	48.3e	129.0e	61.2e	75.0e	86.0e	73.6e	114.0e	21.6e
5	23.0e	44.9e	59.2e	80.0e	48.3e	129.9e	59.9e	79.4e	77.4e	73.6e	114.4e	21.2e
6	25.0e	45.7e	50.8e	72.3e	48.3e	130.7e	58.0e	81.4e	70.8e	73.9e	114.6e	20.7e
7	24.6e	47.0e	47.1e	59.3e	49.5e	133.0e	57.9e	82.1e	67.8e	79.0e	115.2e	20.2e
8	23.9e	71.5e	45.5e	51.0e	52.3e	136.0e	58.1e	81.9e	66.2e	79.2e	116.8e	21.1e
9	23.1e	95.3e	44.1e	60.5e	51.7e	139.5e	56.3e	81.6e	65.2e	73.9e	111.5e	20.7e
10	22.4e	104.1e	43.2e	82.4e	47.4e	140.0e	53.9e	81.0e	64.9e	67.9e	93.4e	19.4e
11	21.4e	106.6e	40.7e	88.4e	43.9e	140.0e	52.1e	82.0e	64.8e	67.3e	78.7e	18.4e
12	20.6e	104.7e	37.9e	78.1e	40.2e	138.6e	50.9e	86.7e	64.2e	71.9e	71.4e	18.0e
13	20.3e	99.9e	36.2e	75.6e	36.4e	134.1e	50.8e	91.3e	63.9e	75.2e	64.6e	17.6e
14	20.3e	93.5e	34.0e	75.7e	32.5e	128.8e	51.2e	93.4e	64.4e	74.4e	59.1e	17.0e
15	20.3e	84.4e	31.5e	72.5e	29.3e	124.4e	51.1e	93.2e	65.1e	70.0e	58.4e	16.6e
16	20.1e	76.8e	29.8e	75.2e	28.4e	118.7e	50.6e	95.9e	65.8e	65.6e	57.8e	16.4e
17	20.2e	66.6e	27.3e	66.9e	28.2e	108.6e	50.9e	100.4e	66.7e	61.5e	55.1e	16.1e
18	20.3e	58.8e	24.6e	53.0e	38.4e	100.0e	51.5e	103.7e	70.3e	56.2e	52.9e	15.8e
19	20.3e	54.9e	23.7e	53.8e	69.3e	95.8e	52.3e	105.6e	74.2e	51.3e	51.1e	15.4e
20	20.3e	51.0e	22.4e	64.9e	97.8e	94.8e	53.6e	107.3e	76.1e	47.4e	48.9e	15.0e
21	20.2e	47.1e	20.8e	75.0e	109.3e	91.8e	57.7e	110.9e	77.3e	44.0e	45.6e	14.7e
22	20.0e	44.3e	19.3e	75.0e	113.2e	90.8e	64.9e	114.9e	78.5e	42.1e	40.6e	14.4e
23	19.7e	42.8e	18.2e	72.6e	116.3e	92.3e	74.1e	119.2e	81.4e	43.0e	36.9e	14.1e
24	19.5e	41.3e	17.1e	75.4e	119.8e	93.2e	79.8e	122.8e	80.3e	69.1e	34.6e	13.8e
25	19.5e	40.9e	17.8e	83.8e	123.0e	91.7e	79.1e	124.8e	75.9e	86.6e	32.6e	13.3e
26	19.3e	40.5e	51.7e	87.8e	124.3e	82.3e	75.3e	127.5e	71.3e	80.0e	31.0e	12.8e
27	18.6e	39.8e	76.2e	86.2e	124.2e	73.1e	70.7e	127.7e	65.9e	72.1e	30.0e	12.5e
28	17.6e	40.3e	83.5e	82.5e	119.7e	64.7e	67.2e	126.8e	61.8e	69.5e	28.3e	12.3e
29	17.0e		93.1e	78.8e	109.5e	59.8e	65.8e	126.8e	60.9e	71.3e	26.4e	12.0e
30	16.2e		98.5e	78.0e	100.6e	59.8e	65.6e	126.2e	61.5e	86.6e	25.2e	11.7e
31	15.8e		94.9e		97.5e		66.6e	123.9e		102.6e		11.3e
Mean	20.3	59.7	45.9	75.2	72.4	109.5	60.3	99.4	73.7	68.8	68.2	16.9
Maximum	25.0	106.6	98.5	90.4	124.3	140.0	79.8	127.7	119.0	102.6	116.8	24.3
Minimum	15.8	16.1	17.1	51.0	28.2	59.8	50.6	67.7	60.9	42.1	25.2	11.3
Total	54	144	123	195	194	284	161	266	191	184	177	45

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	64.0	(cubic metres per second)
Maximum	:	140.0	(cubic metres per second)
Minimum	:	11.3	(cubic metres per second)
Total	:	2019	(million cubic metres)

Data availability

Original values	:	0
Estimated values (Flag e)	:	365
Missing values (Flag m)	:	0

Comments : No original data for this year; estimated flows below bank-full level throughout year

River Shebelli at Mahaddey Weyn 1980

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10.8e	6.0e	3.6	1.7e	15.9e	66.1e	10.8	34.6	84.7e	56.8	35.6	7.8
2	10.6e	5.8e	3.5e	1.6e	14.6e	56.7e	10.7	35.7	96.4e	54.1	32.9	7.7
3	10.6e	5.6e	3.4e	1.5e	14.4e	50.0e	10.5	32.4	104.4e	50.8	31.3	8.1
4	10.5e	5.4e	3.2e	1.5e	15.8e	44.4e	9.3	38.0	105.0e	48.5	29.5	8.4
5	10.5e	5.2e	3.1e	1.5e	15.7e	40.5e	8.7	60.0	104.8e	44.8	28.6	8.0
6	10.4e	5.0e	3.0e	1.5e	17.3e	36.3e	8.2	73.2	104.7e	42.1	29.0	7.8
7	9.9e	4.8e	2.9e	1.5e	36.4e	32.3e	8.1	77.1	103.6e	40.9	28.4	7.3
8	9.8e	4.7e	2.7	1.4e	81.8	29.0e	7.9	82.0	99.1e	44.5	26.4	6.8
9	9.8e	4.6e	2.6e	1.4e	94.1	26.3e	7.6	84.7	92.5e	47.0	25.2	6.6
10	9.7e	4.4e	2.6e	1.5e	103.5	24.2e	7.5	83.9	85.2e	50.2	24.3	6.3
11	9.5e	4.2e	2.6e	1.6e	105.9	22.5e	7.6	81.4	78.1e	58.5	24.3	5.9
12	9.6e	4.0e	2.6e	1.6e	107.8	20.7e	9.6	78.4	70.9e	64.1	24.1	5.6
13	10.4e	3.8e	2.5	1.6e	109.0	19.3e	10.9	81.1	64.8e	61.8	23.3	5.5
14	10.8e	3.7e	2.5e	1.6e	109.4	18.2e	11.7	84.8	60.2	57.2	20.3	5.5
15	10.7e	3.5e	2.4e	1.5	111.7	17.1e	12.0	84.3	58.6	53.6	18.2	5.4
16	10.3e	3.3	2.3e	1.5e	114.1	15.8e	12.3	83.5	60.2	50.8	17.7	5.4
17	10.0e	3.2e	2.2e	1.4e	120.3e	14.9e	12.5	89.5	65.9	43.4	16.1	5.3
18	9.7e	3.2e	2.2e	1.3	128.8e	14.0e	13.8	91.7	69.8	45.2	15.4	5.2
19	9.4e	3.2e	2.1e	1.3e	143.0e	13.4e	14.5	100.5	78.7	56.8	14.1	5.0
20	9.1e	3.2e	2.1e	1.3e	148.4e	14.8e	23.1	110.7	89.4	61.4	13.2	4.7
21	8.9e	3.2e	2.0e	1.2e	141.6e	17.0e	28.2	104.2	91.3	61.0	12.4	4.7
22	8.6e	3.3e	2.0e	1.2e	136.2e	16.2	30.1	98.1	89.0	59.5	11.4	4.6
23	8.3e	3.3e	2.0e	1.2e	136.4e	14.3	35.0	83.6	82.8	56.5	10.9	4.6
24	8.0e	3.3e	1.9e	1.1e	136.4e	13.2	38.7	71.3e	79.3	52.7	10.6	4.5
25	7.7e	3.4e	1.8e	7.0e	134.0e	12.5	38.5	60.4e	73.4	48.4	9.8	4.4
26	7.4e	3.5e	1.8e	28.2e	130.5e	11.6	35.7	51.5e	66.7	45.0	9.3	4.4
27	7.2e	3.7e	1.8e	39.3e	122.1e	11.0	33.6	49.6	59.7	42.4	8.8	4.3
28	7.0e	3.9e	1.8e	32.6e	108.0	10.9	32.4	68.1e	56.7	41.3	8.3	4.2
29	6.7e	3.8e	1.7e	24.8e	88.3	10.6	31.0	82.7e	54.1	45.2	8.0	4.1
30	6.4e		1.7e	19.2e	77.3	10.5	30.8	83.0e	55.8	44.3	7.9	3.9
31	6.1e		1.7e		65.5		32.5	78.9e		39.1		3.9
Mean	9.2	4.1	2.4	6.2	93.0	23.5	18.8	74.8	79.5	50.6	19.2	5.7
Maximum	10.8	6.0	3.6	39.3	148.4	66.1	38.7	110.7	105.0	64.1	35.6	8.4
Minimum	6.1	3.2	1.7	1.1	14.4	10.5	7.5	32.4	54.1	39.1	7.9	3.9
Total	25	10	6	16	249	61	50	200	206	135	50	15

(Total flows in million cubic metres per month)

Annual statistics

Mean : 32.4 (cubic metres per second)
Maximum : 148.4 (cubic metres per second)
Minimum : 1.1 (cubic metres per second)
Total : 1025 (million cubic metres)

Data availability

Original values : 192
Estimated values (Flag e) : 174
Missing values (Flag m) : 0

Comments : River failed to reach bank-full level for second successive year

River Shebelli at Mahaddey Weyn 1981

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.9	0.2	0.0	159.3	158.9	153.9	39.1	44.1	136.0	155.6	129.1	32.6
2	3.8	0.1	0.0	159.7	159.6	145.9	37.8	43.2	138.7	155.6	116.4	31.7
3	3.6	0.1	0.0	160.5	159.9	138.5	36.8	43.8	140.3	156.1	106.8	30.4
4	3.5	0.1	0.0	160.0	159.4	129.2	36.0	46.5	140.6	156.4	100.3	29.6
5	3.2	0.1	0.0	159.6	159.0	122.5	34.3	50.2	141.2	156.5	94.4	29.1
6	3.1	0.1	0.0	158.3	158.7	118.4	33.8	49.8	141.6	156.8	92.4	28.1
7	2.8	0.1	0.0	159.8	158.1	115.7	32.6	47.4	143.2	156.2	86.4	27.5
8	2.6	0.1	0.0	160.5	158.1	108.7	31.9	45.7	143.9	155.6	79.1	26.8
9	2.4	0.1	0.0	161.2	158.4	100.7	31.8	44.7	144.2	156.3	71.5	26.1
10	2.3	0.1	0.0	162.7	158.7	95.2	31.7	53.2	145.6	155.6	68.1	25.4
11	2.2	0.1	0.0	163.1	158.7	86.8	31.7	73.2	146.4	155.0	70.8	24.8
12	2.1	0.1	0.0	163.2	159.3	80.2	31.4	95.2	148.4	155.2	85.0	24.1
13	2.0	0.1	0.0	162.8	159.9	76.0	30.3	112.2	152.2	154.9	93.5	23.3
14	1.9	0.1	0.0	162.0	159.4	72.5	29.4	118.0	152.7	154.9	90.0	22.9
15	1.8	0.1	0.0	162.1	159.3	69.3	28.1	116.1	153.4	155.2	79.2	22.6
16	1.7	0.1	0.6	162.3	159.3	66.0	27.1	115.2	154.9	155.6	69.4	22.5
17	1.6	0.1	1.1	161.3	159.0	63.6	27.0	120.9	155.8	155.3	61.4	22.2
18	1.4	0.1	1.2	161.7	158.5	59.4	26.8	127.6	156.2	155.2	55.6	20.3
19	1.4	0.1	1.1	160.4	158.0	56.4	26.9	130.6	156.2	155.8	51.9	20.1
20	1.2	0.1	1.0	160.9	156.9	54.6	27.0	131.7	155.6	156.2	48.9	20.1
21	1.0	0.1	15.1	161.0	156.5	49.8	26.8	127.9	154.4	155.9	46.8	20.1
22	0.7	0.1	63.9	161.2	156.6	48.8	26.2	126.3	154.3	155.6	45.5	19.7
23	0.5	0.1	97.1	161.2	157.3	44.8	25.5	121.2	154.9	156.2	44.4	19.6
24	0.5	0.1	123.9	160.9	158.0	46.3	24.4	121.6	156.4	157.0	43.2	19.5
25	0.4	0.0	154.2	159.7	158.4	43.6	24.6	123.7	156.8	156.2	42.3	19.3
26	0.4	0.0	160.0	158.8	160.6	42.6	25.2	128.1	156.5	155.9	40.7	19.2
27	0.3	0.0	161.7	158.7	161.3	40.9	28.2	130.4	156.1	155.6	38.9	18.1
28	0.3	0.0	162.2	158.7	162.9	40.7	31.5	131.0	154.8	155.3	37.6	17.8
29	0.3		160.5	158.4	162.0	40.3	35.4	131.1	154.4	154.5	36.0	17.3
30	0.2		158.4	158.1	161.5	40.0	39.3	131.6	155.4	148.9	34.2	16.8
31	0.2		157.8		158.3		43.6	132.0		140.6		16.6
Mean	1.7	0.1	45.8	160.6	159.1	78.4	31.0	97.2	150.0	155.0	68.7	23.0
Maximum	3.9	0.2	162.2	163.2	162.9	153.9	43.6	132.0	156.8	157.0	129.1	32.6
Minimum	0.2	0.0	0.0	158.1	156.5	40.0	24.4	43.2	136.0	140.6	34.2	16.6
Total	5	0	123	416	426	203	83	260	389	415	178	62

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	81.2	(cubic metres per second)
Maximum	:	163.2	(cubic metres per second)
Minimum	:	0.0	(cubic metres per second)
Total	:	2560	(million cubic metres)

Data availability

Original values	:	365
Estimated values (Flag e)	:	0
Missing values (Flag m)	:	0

Comments : Major floods in both seasons after river dry in February/March. Gu flood the longest on record

River Shebelli at Mahaddey Weyn 1982

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	16.3	10.0	7.4e	12.5	117.2	148.1	42.6	57.5	132.7	113.8	153.6e	133.6e
2	16.1	9.3	7.3e	12.0	118.4	149.1	40.7	59.1	133.7	106.2	153.9e	126.0e
3	15.9	9.0	7.1e	11.4	118.7	150.8	39.5	63.5	133.5	92.4	153.8e	121.3e
4	15.7	8.9	7.0e	11.3	117.3	151.6	38.4	65.9	134.4	84.7	155.2e	117.7e
5	15.7	8.8	7.0e	10.9	115.9	153.0	37.5	67.7	134.5	79.6	156.3e	113.7e
6	15.6	8.7	7.1e	10.9	114.8	153.6	36.5	71.0	134.8	77.5	156.7e	107.6e
7	15.5	8.6	7.1e	10.8	113.5	153.7	36.4	73.4	135.1	78.4	156.8e	98.6e
8	15.3	8.6	7.0e	10.5	112.4	153.7	35.7	74.0	135.1	83.2	156.0e	87.4e
9	15.3	8.3	7.0e	10.3	110.4	153.6	35.1	76.5	135.0	93.3	153.1e	78.3e
10	15.2	8.1	7.1e	10.2	108.3	151.0	35.0	83.9	134.5	122.3	152.1e	76.5e
11	15.1	8.1	8.1e	9.7	108.8	140.7	34.9	91.3	134.4	125.6	153.0e	88.0e
12	13.8	8.1	10.8e	9.5	117.7	132.4	34.3	95.8	132.9	123.8	154.7e	97.6e
13	13.6	8.0	12.4e	9.8	117.4	124.4	33.7	100.5	132.7	124.8	154.5e	94.7e
14	13.2	7.9	12.6e	16.3	113.8	120.6	33.8	110.3	131.1	125.7	155.1e	84.1e
15	13.0	7.8	12.2e	34.6	111.0	116.9	34.0	117.6	129.9	127.1	155.5e	77.7e
16	13.0	7.9	11.5e	48.2	107.7	111.1	35.4	118.7	127.3	129.3	155.8e	73.0e
17	13.0	8.0	10.8e	63.3	107.4	98.0	40.8	115.6	126.3	134.6	155.4e	68.2e
18	12.9	8.1	10.2e	82.0	108.6	84.2	47.1	111.7	124.9	141.1	155.4e	64.1e
19	12.9	8.2	9.7e	87.0	115.8	79.4	49.0	108.9	124.0	143.3	155.7e	60.9e
20	12.8	8.1	9.3e	89.8	120.2	72.4	52.1	102.3	123.0	141.2	155.2e	58.5e
21	12.6	8.1	9.1e	95.8	122.7	69.3	54.6	96.2	119.2	139.3	155.2e	56.9e
22	12.5	8.1	8.9e	106.3	124.2	65.8	56.1	94.5	117.8	139.2	155.4e	55.0e
23	12.5	8.0	9.0e	112.0	125.7	62.0	56.7	100.9	118.2	140.8	155.1e	51.9e
24	12.4	7.8	9.8e	112.0	130.4	57.4	59.9	115.7	119.1	141.5	155.4e	49.7e
25	12.2	7.7	10.5e	108.6	133.2	52.6	65.8	123.1	124.9	141.6	156.5e	46.8e
26	11.9	7.6	10.9e	109.6	134.5	50.1	67.2	124.4	125.9	143.7	156.6e	71.5e
27	11.7	7.5	11.2e	108.4	135.0	47.4	65.3	127.0	124.6	145.1	156.3e	94.3e
28	11.5	7.5	12.3e	106.4	135.4	45.1	63.1	126.0	124.5	148.2	154.2e	103.5e
29	11.0		13.5e	110.6	141.2	44.2	59.1	127.7	123.5	152.7	149.0e	113.0e
30	10.7		13.5e	115.9	146.2	43.6	55.4	129.8	118.1	153.6	142.1e	115.3e
31	10.5		13.1e		147.5		55.3	131.3		153.7		110.5e
Mean	13.5	8.2	9.7	54.9	121.0	104.5	46.2	98.8	128.2	124.1	154.4	87.0
Maximum	16.3	10.0	13.5	115.9	147.5	153.7	67.2	131.3	135.1	153.7	156.8	133.6
Minimum	10.5	7.5	7.0	9.5	107.4	43.6	33.7	57.5	117.8	77.5	142.1	46.8
Total	36	20	26	142	324	271	124	265	332	332	400	233

(Total flows in million cubic metres per month)

Annual statistics

Mean : 79.4 (cubic metres per second)
Maximum : 156.8 (cubic metres per second)
Minimum : 7.0 (cubic metres per second)
Total : 2505 (million cubic metres)

Data availability

Original values : 273
Estimated values (Flag e) : 92
Missing values (Flag m) : 0

Comments : Original data sheets unavailable for three months

River Shebelli at Mahaddey Weyn 1983

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	100.8	24.1	26.0e	14.6	114.3	127.0	118.5	90.5	154.3	147.5	151.3	96.8
2	94.4	23.7	25.5e	14.0	120.8	128.7	114.0	101.9	154.6	147.8	152.3	93.1
3	90.4	22.9	25.4e	13.4	121.8	130.4	101.6	106.6	154.9	148.2	152.2	91.1
4	86.4	22.3	25.0e	12.7	119.6	133.5	93.3	113.9	154.3	148.4	151.0	91.6
5	80.7	22.3	24.4e	12.1	118.5	137.1	89.2	121.2	153.4	148.2	150.7	88.8
6	72.2	22.3	23.4	11.8	120.1	138.9	86.6	125.5	152.5	148.7	151.1	84.2
7	64.2	22.3	22.6	11.5	119.8	140.0	81.1	128.6	152.8	148.2	151.6	81.4
8	58.5	22.3	22.3	11.2	121.0	142.1	77.4	131.3	153.3	148.1	151.5	79.2
9	54.6	21.9	22.4	10.9	124.0	145.2	76.8	133.1	152.5	147.9	150.7	75.2
10	51.9	21.8	23.4	10.8	124.9	148.3	88.8	132.9	152.1	148.2	150.6	71.0
11	46.9	21.9	24.1	10.5	124.3	150.3	101.3	133.0	151.6	148.1	149.5	67.1
12	44.8	22.2	25.0	10.2	125.2	151.1	99.7	133.6	151.9	146.8	147.9	63.3
13	42.7	22.6	26.6	10.0	124.5	152.1	93.2	134.9	152.3	147.5	145.8	59.4
14	40.5	22.6	26.1	9.9	124.7	153.3	90.0	139.3	151.4	147.8	142.2	55.8
15	38.9	22.9	25.3	9.7	117.2	155.0	83.9	141.7	151.7	147.5	137.9	53.3
16	37.5	23.4	24.7	9.4	109.9	155.1	78.6	143.8	151.0	147.6	134.3	53.4
17	36.0	23.2	23.1	9.5	100.6	154.9	73.3	145.3	151.7	148.1	129.3	53.2
18	34.8	25.5	22.1	9.8	92.5	153.8	68.3	145.8	151.2	148.2	123.7	52.8
19	33.7	34.7	21.5	10.7	88.4	153.3	63.5	146.9	150.9	148.5	119.3	52.5
20	32.3	39.0	21.1	19.1	81.3	153.1	60.6	149.5	151.5	149.4	116.8	50.2
21	31.6	40.0e	20.7	30.0	81.9	153.4	58.4	150.6	151.6	150.2	115.9	47.9
22	30.5	38.7e	20.2	58.3	90.4	154.3	58.2	151.8	150.9	150.6	116.4	47.4
23	29.7	35.9e	19.8	68.2	94.9	154.3	58.7	154.2	150.0	150.6	117.4	46.8
24	29.1	32.9e	19.4	67.0	90.4	154.0	56.9	155.5	149.1	150.0	117.4	46.4
25	28.3	30.5e	19.0	64.8	84.8	153.1	56.7	155.2	147.9	149.4	117.2	44.6
26	27.6	28.8e	18.3	61.2	94.9	152.4	56.2	154.2	147.9	149.9	116.8	42.5
27	26.9	27.8	17.6	58.2	97.4	149.7	55.3	155.1	147.6	150.6	114.1	40.8
28	26.7	27.1	17.1	59.2	100.7	143.0	53.9	155.3	148.3	150.6	110.9	38.9
29	26.2		16.3	76.2	111.4	135.7	52.6	155.5	147.7	150.6	106.1	37.6
30	25.5		15.5	100.0	121.1	125.0	53.9	154.7	147.5	150.6	101.3	35.0
31	24.9		14.9		125.0		68.2	154.3		151.2		33.1
Mean	46.7	26.6	21.9	29.2	109.2	145.9	76.4	138.6	151.3	148.9	133.1	60.5
Maximum	100.8	40.0	26.6	100.0	125.2	155.1	118.5	155.5	154.9	151.2	152.3	96.8
Minimum	24.9	21.8	14.9	9.4	81.3	125.0	52.6	90.5	147.5	146.8	101.3	33.1
Total	125	64	59	76	293	378	205	371	392	399	345	162

(Total flows in million cubic metres per month)

Annual statistics

Mean : 91.0 (cubic metres per second)
Maximum : 155.5 (cubic metres per second)
Minimum : 9.4 (cubic metres per second)
Total : 2868 (million cubic metres)

Comments :

Data availability

Original values : 354
Estimated values (Flag e) : 11
Missing values (Flag m) : 0

River Shebelli at Mahaddey Weyn 1984

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	31.1	23.0	18.9	13.5	18.1	70.2	30.3	71.7	101.3	140.1	39.7	14.8e
2	29.8	23.0	18.8	13.2	18.5	61.5	29.7	90.4	92.1	142.2	38.3	14.5e
3	28.8	23.0	18.8	13.2	19.4	54.0	31.5	102.2	83.9	142.9	36.6	14.1e
4	28.3	23.0	18.1	13.2	19.1	52.9	35.2	102.4	78.2	142.8	34.2	13.7e
5	27.8	23.0	18.0	13.2	18.3	73.1	45.2	98.4	73.5	143.5	32.8	13.3e
6	27.2	23.0	18.0	12.6	18.0	89.4	64.8	93.4	68.9	144.7	30.2	13.2e
7	27.0	22.7	18.0	12.5	17.8	91.7	80.8	91.1	64.4	144.3	28.5	12.9e
8	26.6	22.3	18.0	12.5	17.6	90.8	89.2	90.4	65.1	140.9	27.8	12.8e
9	26.3	22.3	17.7	12.5	17.4	86.2	87.3	92.1	74.3	135.6	26.6	12.6e
10	25.8	22.3	17.6	12.5	17.2	83.3	81.7	100.4	95.8	127.1	24.5	12.5e
11	25.5	21.9	17.6	12.5	17.5	83.9	77.3	103.2	109.9	118.8	23.9	12.2e
12	25.1	21.6	16.9	12.5	17.3	80.2	72.5	104.5	108.8	113.2	23.5	11.7e
13	24.6	21.6	16.8	12.5	17.7	76.3	68.2	107.0	103.4	107.7	23.3	11.2e
14	24.6	21.6	16.1	12.2	22.8	82.1	65.0	112.0	104.2	100.5	23.1	11.0e
15	24.6	21.6	16.1	12.2	30.3	90.3	61.0	116.6	111.3	91.1	22.7	11.0e
16	24.1	21.2	16.0	12.2	29.2	90.0	61.1	119.4	118.7	84.2	22.3	10.9e
17	23.9	21.0	15.4	12.2	20.8	79.8	57.8	121.0	123.1	78.9	22.3	10.7e
18	23.9	20.9	15.3	11.9	17.9	67.8	57.1	121.2	125.2	88.0	21.9	10.3e
19	23.7	20.8	14.6	11.9	17.5	61.3	57.4	118.4	126.7	117.6	21.6	10.2e
20	23.7	20.7	14.6	11.9	17.2	53.8	55.7	115.3	127.6	126.4	21.6	9.7e
21	23.6	20.1	14.3	12.5	16.5	51.2	52.9	112.0	128.6	118.6	21.4	9.3e
22	23.4	20.1	14.2	12.5	16.0	47.7	49.3	107.9	129.3	103.0	21.2	9.1e
23	23.4	20.1	14.2	12.5	31.8	44.5	45.5	104.2	130.2	83.4	20.5	8.9e
24	23.4	20.1	13.9	13.4	62.8	41.8	42.5	106.9	134.7	69.8	18.7e	8.7e
25	23.4	19.7	13.9	14.2	87.6	39.2	39.9	116.9	139.6	59.9	17.9e	8.5e
26	23.2	19.7	13.9	15.6	102.3	36.8	38.5	122.6	140.3	54.1	17.0e	8.3e
27	23.2	19.7	13.9	17.5	106.1	35.3	36.6	126.9	139.8	52.2	16.5e	8.8e
28	23.2	19.7	13.6	18.0	106.1	33.8	35.5	127.6	138.8	53.2	16.2e	10.6e
29	23.2	19.3	13.5	18.0	100.4	32.1	34.4	124.9	138.1	52.2	15.7e	11.4e
30	23.2		13.5	18.0	89.4	31.1	33.8	118.8	139.3	48.6	15.3e	10.5e
31	23.2		13.4		81.1		42.2	110.9		43.0		9.8e
Mean	25.1	21.3	15.9	13.4	38.4	63.7	53.5	108.1	110.5	102.2	24.2	11.2
Maximum	31.1	23.0	18.9	18.0	106.1	91.7	89.2	127.6	140.3	144.7	39.7	14.8
Minimum	23.2	19.3	13.4	11.9	16.0	31.1	29.7	71.7	64.4	43.0	15.3	8.3
Total	67	53	43	35	103	165	143	290	286	274	63	30

(Total flows in million cubic metres per month)

Annual statistics

Mean : 49.1 (cubic metres per second)
Maximum : 144.7 (cubic metres per second)
Minimum : 8.3 (cubic metres per second)
Total : 1552 (million cubic metres)

Data availability

Original values : 328
Estimated values (Flag e) : 38
Missing values (Flag m) : 0

Comments : River did not reach bank-full level in either flood season

River Shebelli at Mahaddey Weyn 1985

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	9.0e	6.0e	4.7e	3.2e	162.1	165.4	53.9	75.5	137.2	102.8	43.9e	22.7
2	8.7e	6.0e	4.7e	3.2e	162.3	164.5	51.7	75.8	136.9	105.6	42.9	22.3
3	8.6e	6.0e	4.7e	3.3e	163.8	164.4	49.3	76.7	133.6	111.4	40.6	21.4
4	8.7e	6.0e	4.7e	4.2e	164.0	163.8	48.4	84.7	129.9	114.4	40.1	21.0
5	8.8e	6.0e	4.6e	10.8e	163.2	162.9	50.3	92.7	125.7	113.8	53.2	20.5
6	9.0e	5.9e	4.6e	51.5	162.7	163.1	50.3	100.7	120.2	111.2	56.2	20.1
7	8.9e	5.8e	4.5e	73.1	161.0	162.3	48.1	109.2	115.4	111.1	49.2	20.0
8	8.8e	5.7e	4.2e	72.9	161.6	162.5	45.5	109.4	113.5	111.2	42.6	19.3
9	8.6e	5.4e	4.1e	63.4	163.1	162.5	44.3	109.8	112.2	106.3	37.3	18.8
10	8.6e	5.2e	4.0e	55.5	163.2	162.5	43.5	117.4	114.2	105.3	33.4	18.4
11	8.6e	5.2e	3.9e	48.5	162.8	162.2	42.9	123.7	114.3	102.4	32.2	18.1
12	8.7e	5.1e	3.9e	43.6	161.9	160.8	42.6	128.1	117.6	90.7	30.5	18.0
13	8.5e	5.1e	3.9e	39.6e	161.9	154.0	43.4	130.6	122.2	89.4	28.7	17.7
14	8.3e	5.1e	3.8e	35.2e	161.9	139.1	43.9	131.1	122.5	85.8	26.6	17.6
15	8.1e	5.1e	3.8e	31.8e	162.1	124.3	43.5	133.0	116.0	71.9	25.0	17.6
16	7.9e	5.0e	3.8e	27.6e	162.9	110.5	41.1	135.3	110.7	65.7	26.0	17.3
17	7.7e	5.0e	3.7e	25.3e	163.5	100.6	40.1	137.1	104.9	63.8	26.4	17.2
18	7.6e	4.9e	3.7e	35.2e	163.5	91.5	38.4	138.0	105.5	64.0	26.8	17.1
19	7.4e	4.8e	3.6e	74.7e	163.8	85.0	37.5	139.1	106.7	73.2	27.6	17.0
20	7.3e	4.7e	3.5e	106.7	164.2	79.8	36.7	138.6	108.4	79.4	27.7	16.9
21	7.2e	4.8e	3.5e	120.3	164.8	73.1	36.3	139.2	107.7	82.3	26.4	16.8
22	7.1e	5.0e	3.5e	130.9	165.1	69.2	36.1	140.8	104.7	78.4	25.8	16.8
23	6.9e	5.1e	3.6e	136.4	165.4	65.4	36.8	141.4	102.7	77.5	25.5	16.5
24	6.8e	5.2e	3.6e	142.2	165.6	62.1	42.3	135.3	103.1	74.9	25.3	16.5
25	6.6e	5.0e	3.5e	140.9	165.1	59.0	44.0	132.8	104.0	88.3	24.7	16.5
26	6.5e	5.0e	3.5e	144.0	164.5	56.8	50.0	131.6	103.1	76.2	24.5	16.4
27	6.4e	5.0e	3.4e	148.5	164.8	55.3	63.4e	131.8	101.3	60.2	23.6	16.1
28	6.3e	4.8e	3.3e	154.6	165.1	55.1	68.6e	133.7	97.1	53.8	23.1	16.1
29	6.2e		3.3e	160.5	165.7	55.1	68.7e	134.2	94.6	50.7	22.8	16.1
30	6.2e		3.3e	162.2	166.3	54.6	69.5e	136.0	96.2	46.8	22.7	16.1
31	6.1e		3.3e		166.3		71.9e	137.9		44.8		16.1
Mean	7.7	5.3	3.9	75.0	163.7	114.9	47.8	122.0	112.7	84.3	32.0	18.0
Maximum	9.0	6.0	4.7	162.2	166.3	165.4	71.9	141.4	137.2	114.4	56.2	22.7
Minimum	6.1	4.7	3.3	3.2	161.0	54.6	36.1	75.5	94.6	44.8	22.7	16.1
Total	21	13	10	194	438	298	128	327	292	226	83	48

(Total flows in million cubic metres per month)

Annual statistics

Mean : 65.9 (cubic metres per second)
Maximum : 166.3 (cubic metres per second)
Minimum : 3.2 (cubic metres per second)
Total : 2079 (million cubic metres)

Data availability

Original values : 257
Estimated values (Flag e) : 108
Missing values (Flag m) : 0

Comments : Most of the estimated data was required because of missing staff gauge

River Shebelli at Mahaddey Weyn 1986

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	15.7	12.5	6.8	6.9	147.1	149.0	74.6	102.9	139.2	130.4	72.6	17.0e
2	15.7	12.5	6.8	6.8	152.5	146.7	81.6	101.9	138.8	127.6	61.2	16.9e
3	15.4	12.5	6.8	6.8	152.3	148.0	97.9	101.6	136.4	124.9	56.1	16.2e
4	15.3	12.5	6.8	6.8	142.2	146.6	112.7	99.0	130.2	122.3	56.7	15.1e
5	15.3	12.5	6.8	6.8	125.7	149.2	118.2	95.8	124.0	118.6	72.3	14.5e
6	15.3	12.5	6.8	6.8	124.5	150.2	122.1	100.7	115.4	111.7	93.8	13.7e
7	15.0	12.3	6.8	6.8	135.0	149.9	126.8	112.2	107.3	102.8	92.4	13.1e
8	15.0	9.6	6.8	6.8	153.4	152.0	131.4	121.1	100.5	97.2	86.1	12.7e
9	15.0	9.4	6.8	6.8	156.1	152.2	136.4	125.3	100.2	90.7	64.6	12.1e
10	15.0	9.4	6.8	6.8	152.0	152.5	139.1	127.2	111.1	83.8	51.8	12.1e
11	14.9	9.4	6.8	6.8	151.8	147.1	138.9	126.1	118.8	79.0	47.3	12.2e
12	14.3	9.4	6.8	7.4	150.9	137.4	137.9	121.2	124.4	75.5	42.4	11.7
13	14.2	9.4	6.8	5.6e	148.0	127.9	135.0	114.7	124.5	80.2	38.7	11.3
14	14.2	9.4	6.2	4.2	141.9	123.8	129.5	116.0	121.2	84.7	35.8	10.9
15	14.2	9.4	6.2	4.0e	131.8	120.5	119.9	120.2	115.8	91.7	32.8	10.9
16	14.2	9.3	6.2	4.0e	117.9	122.9	109.3	119.4	110.2	102.1	31.4	10.9
17	13.9	8.1	6.2	4.0e	107.3	129.6	99.2	113.3	99.4	102.5	30.0	10.9
18	13.6	8.1	6.2	4.0e	101.9	124.3	91.3	111.2	91.1	98.3	29.3	10.9
19	13.5	8.1	6.8	4.0e	102.4	118.9	85.6	118.6	83.9	92.3	27.8	10.6
20	13.5	8.1	7.4	9.1	94.3	110.1	72.3	127.2	81.9	85.9	26.6	10.6
21	13.5	8.1	7.4	71.5	84.3	109.0e	72.9e	132.1	84.9	78.9	25.4	10.6
22	13.2	8.1	7.4	113.3	79.8	108.4e	78.2	134.9	99.6	73.1	24.5	10.3
23	13.2	8.0	7.5	126.9	78.2	102.6e	90.3	136.9	110.9	68.8	23.1	9.9
24	13.2	6.9	8.0	135.5	83.3	99.4	102.3	139.6	120.1	64.4	21.8e	10.3
25	12.6	6.8	8.1	135.6	103.9	94.3	106.8	142.3	123.5	58.0	20.6e	10.2
26	12.5	6.8	8.1	128.7	125.1	85.4	107.7	143.1	130.0	54.7	19.5e	8.9
27	12.5	6.8	8.1	137.3	136.8	75.4	107.9	144.4	132.4	61.4	19.0e	8.4
28	12.5	6.8	8.1	136.8	141.2	71.9	107.5	144.5	133.9	90.2	18.4e	8.3
29	12.5		8.1	147.6	141.0	69.1	107.0	144.2	134.5	101.4	17.6e	8.1
30	12.5		8.1	145.7	145.0	70.9	108.0	143.6	133.0	100.0	17.2e	8.1
31	12.5e		8.0		146.4		104.9	141.2		85.0		8.2
Mean	14.0	9.4	7.1	46.7	127.5	121.5	108.2	123.3	115.9	91.6	41.9	11.5
Maximum	15.7	12.5	8.1	147.6	156.1	152.5	139.1	144.5	139.2	130.4	93.8	17.0
Minimum	12.5	6.8	6.2	4.0	78.2	69.1	72.3	95.8	81.9	54.7	17.2	8.1
Total	37	23	19	121	342	315	290	330	300	245	109	31

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	68.5	(cubic metres per second)
Maximum	:	156.1	(cubic metres per second)
Minimum	:	4.0	(cubic metres per second)
Total	:	2162	(million cubic metres)

Data availability

Original values	:	336
Estimated values (Flag e)	:	29
Missing values (Flag m)	:	0

Comments : Successive flood peaks between April and November, but no period of sustained bank-full flow

River Shebelli at Mahaddey Weyn 1987

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.7	6.1	5.0	31.2	93.8	163.8	161.9	52.6	42.8	84.1	115.8	19.0e
2	9.1	6.1	5.0	44.9	102.1	164.4	160.1	52.4	43.5	74.4	122.9	19.0e
3	9.5	5.9	5.0	44.6	99.1	164.1	145.5	51.6	43.4	67.7	117.9	18.6
4	10.0	5.8	5.0	43.4	93.1	163.1	124.2	51.4	43.9	69.6	113.2	18.0
5	10.2	5.8	5.0	41.3	90.6	161.0	108.5	50.5	43.2	76.6	107.8	17.3
6	9.5	5.8	5.0	40.0	91.6	160.0	98.7	52.3	40.6	93.8	102.4	16.7
7	10.2	5.8	5.0	36.8	111.2	160.6	92.5	57.2	38.7	108.0	102.8	16.1
8	9.9	5.8	4.6	33.5	120.0	161.3	86.2	57.5	37.7	110.0	100.5	15.7
9	8.2	5.8	4.6	32.2	89.5	161.8	81.5	56.7	38.9	108.5	96.1	15.2
10	8.0	5.8	4.6	31.0	66.1	161.3	77.0	54.8	39.6	102.9	102.1	14.5
11	7.8	5.8	4.2	31.5	59.6	161.3	75.9	52.0	46.5	98.3	107.5	14.0
12	7.8	5.8	4.1	33.5	64.7	162.1	73.5	50.3	49.4	99.6	104.5	13.4
13	7.8	5.7	4.1	46.1	78.5	161.9	70.8	49.0	52.6	100.0	90.7	12.9
14	7.5	5.6	4.1	64.1	95.3	160.6	67.7	45.3	59.6	93.4	76.9	12.5
15	7.1	5.6	4.1	71.0	93.0	160.0	65.1	43.2	63.2	85.6	63.0e	12.5
16	6.8	5.6	4.1	72.9	93.6	160.0	64.5	41.3	62.2	78.8	49.1e	12.1
17	6.8	4.7	4.1	85.1	115.9	160.9	63.8	39.6	70.9	78.0	35.5e	12.0
18	6.8	3.7	4.1	101.4	132.6	161.2	63.9	37.8	79.2	81.9	26.5e	11.9
19	6.8	3.7	4.1	111.2	134.3	160.3	67.5	36.4	90.4	84.3	22.9e	11.7
20	6.8	3.8	4.1	116.3	136.9	160.0	70.7	35.6	89.6	74.2	20.9e	11.2
21	6.8	5.3	4.0	116.8	146.5	159.7	70.1	34.6	83.6	65.5	21.5e	10.5
22	6.7	5.4	4.0	119.1	155.2	159.3	67.5	33.4	75.2	66.0	24.4e	10.4
23	6.7	5.4	4.1	122.0	159.9	159.0	64.0	32.1	67.8	84.2	24.7e	10.1
24	6.6	5.2	4.1	124.0	162.4	160.3	60.6	31.1	60.5	101.7	23.2e	10.0
25	6.4	5.2	4.2	124.5	162.5	162.5	59.9	30.1	58.8	104.6	22.0e	9.7
26	6.4	5.2	4.6	122.9	162.5	162.9	62.2	29.5	77.1	101.3	21.5e	9.4
27	6.4	5.2	4.6	120.4	162.6	162.8	63.2	28.9	100.1	94.3	21.0e	9.4
28	6.4	5.0	4.6	115.8	164.3	162.5	62.4	27.8	108.0	86.5	20.6e	9.2
29	6.3		4.6	109.1	164.4	162.5	59.7	27.8	101.8	81.1	19.6e	9.0
30	6.3		4.6	99.3	163.8	162.5	60.1	30.1	93.7	77.5	19.1e	8.9
31	6.1		5.6		163.8		55.7	35.9		86.4		8.9
Mean	7.6	5.4	4.5	76.2	120.3	161.5	80.8	42.2	63.4	87.7	63.2	12.9
Maximum	10.2	6.1	5.6	124.5	164.4	164.4	161.9	57.5	108.0	110.0	122.9	19.0
Minimum	6.1	3.7	4.0	31.0	59.6	159.0	55.7	27.8	37.7	65.5	19.1	8.9
Total	20	13	12	197	322	418	216	113	164	235	164	35

(Total flows in million cubic metres per month)

Annual statistics

Mean : 60.6 (cubic metres per second)
Maximum : 164.4 (cubic metres per second)
Minimum : 3.7 (cubic metres per second)
Total : 1911 (million cubic metres)

Data availability

Original values : 347
Estimated values (Flag e) : 18
Missing values (Flag m) : 0

Comments : An unusually late Gu flood, and a small Der flood

River Shebelli at Mahaddey Weyn 1988

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.7	5.6	2.9	2.2	146.3	38.6	24.9	62.5	159.8	164.9	169.0	38.6
2	8.7	5.2	2.9	2.2	155.4	36.3	23.7	59.9	158.5	165.6	170.0	37.0
3	8.7	5.2	2.9	2.2	159.2	33.7	22.9	56.2	158.7	166.3	170.9	35.7
4	8.6	5.2	2.9	2.2	157.0	31.0	22.2	53.3	159.0	166.4	170.9	35.3
5	8.5	5.1	2.9	2.2	154.6	30.5	21.3	54.7	158.8	167.0	170.9	33.4
6	8.3	5.0	2.9	2.2	158.7	29.4	20.2	61.5	159.3	166.7	170.9	32.0
7	7.9	5.0	2.9	2.2	161.2	27.6	20.2	66.0	159.4	167.0	171.3	30.9
8	7.8	4.9	2.9	2.2	162.5	25.8	21.4	73.1	160.0	167.6	172.3	30.4
9	7.7	4.6	2.9	2.2	162.2	24.3	21.9	81.6	161.2	167.7	172.2	30.1
10	7.7	4.6	2.9	2.2	156.6	22.6	22.3	81.6	161.3	168.4	170.2	30.0
11	7.7	4.6	2.8	2.2	142.4	22.4	22.4	80.7	162.6	169.5	167.5	29.8
12	7.4	4.2	2.6	2.2	122.4	20.7	23.3	94.8	165.4	169.6	158.6	29.1
13	7.4	4.1	2.4	2.2	100.2	19.1	22.4	118.8	167.6	169.3	140.8	28.2
14	7.3	4.1	2.4	3.9	86.9	18.0	22.7	126.9	166.3	168.1	125.6	26.6
15	7.3	4.1	2.4	10.4	76.5	17.1	23.4	130.4	163.4	168.3	114.2	25.6
16	7.2	4.1	2.4	12.7	69.5	16.1	24.3	131.9	161.2	168.0	99.5	25.0
17	7.2	4.1	2.4	12.1	63.2	16.1	25.5	133.0	162.9	166.0	90.1	24.3
18	7.0	3.7	2.4	11.2	57.0	15.4	26.1	133.4	166.2	163.8	83.1	23.5
19	6.9	3.7	2.4	14.2	52.3	15.0	25.8	134.2	166.4	162.6	76.0	23.2
20	6.8	3.7	2.4	15.4	48.3	14.6	26.3	136.2	166.4	160.9	69.2	23.0
21	6.8	3.7	2.4	14.9	44.0	15.0	38.3	138.6	167.0	159.7	64.9	22.9
22	6.6	3.7	2.4	13.9	40.7	15.7	48.1	141.2	167.6	159.3	59.9	22.5
23	6.4	3.7	2.4	15.7	37.6	19.0	49.2	142.8	166.4	159.3	56.3	22.3
24	6.4	3.7	2.2	50.9	34.3	23.0	50.7	144.6	165.1	159.3	52.0	22.3
25	6.3	3.7	2.2	97.2	32.8	25.1	52.5	147.2	164.4	159.9	49.8	21.6
26	6.3	3.7	2.2	118.3	32.2	24.1	49.2	149.1	164.4	162.3	47.7	21.2
27	6.3	3.3	2.2	124.4	29.3	22.5	45.1	150.9	164.5	165.1	47.1	21.0
28	6.2	3.2	2.2	125.8	27.6	21.9	44.0	153.7	165.7	165.6	45.6	20.9
29	5.9	2.9	2.2	129.7	28.2e	24.0	45.0	156.2	165.4	165.5	42.9	20.8
30	5.7		2.2	136.9	31.9	25.7	54.3	158.4	165.9	167.3	41.2	20.7
31	5.6		2.2		39.5		60.1	159.9		168.3		20.7
Mean	7.2	4.2	2.5	31.2	89.4	23.0	32.2	113.3	163.4	165.3	111.4	26.7
Maximum	8.7	5.6	2.9	136.9	162.5	38.6	60.1	159.9	167.6	169.6	172.3	38.6
Minimum	5.6	2.9	2.2	2.2	27.6	14.6	20.2	53.3	158.5	159.3	41.2	20.7
Total	19	11	7	81	239	60	86	304	423	443	289	72

(Total flows in million cubic metres per month)

Annual statistics

Mean : 64.3 (cubic metres per second)
Maximum : 172.3 (cubic metres per second)
Minimum : 2.2 (cubic metres per second)
Total : 2033 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 1
Missing values (Flag m) : 0

Comments : Der flood peaked at a slightly higher level than previously recorded

River Shebelli at Mahaddey Weyn 1989

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	20.7	15.2	23.5	12.2	164.8	149.8	51.2	57.8	63.6	96.5	148.5	33.7
2	20.5	15.1	22.2	12.2	164.8	141.8	48.8	59.1	62.0	87.0	139.0	32.9
3	20.3	15.2	21.1	12.8	164.7	129.0	47.3	60.1	59.8	82.3	126.8	32.0
4	20.1	15.6	20.0	37.6	163.9	112.3	45.9	61.7	61.3	77.7	117.3	32.4
5	19.8	15.4	18.1	70.8	164.5	102.1	44.0	69.4	61.5	79.9	108.4	51.7
6	19.4	15.2	17.1	82.6	165.4	92.8	42.1	72.6	63.3	113.4	102.6	70.7
7	19.4	15.1	16.4	110.1	166.3	86.6	41.0	72.6	71.7	133.1	87.9	68.2
8	19.4	15.0	16.1	112.3	166.4	80.8	41.3	81.2	80.1	140.3	79.1	58.8
9	19.4	14.8	15.7	96.9	166.7	76.3	41.2	87.2	88.0	139.0	72.7	49.7
10	19.2	14.8	15.3	80.2	167.3	71.8	40.7	87.6	95.9	139.3	68.3	43.2
11	19.2	14.8	15.1	88.6	167.6	67.7	40.8	81.7	103.4	141.5	65.9	38.7
12	19.2	14.8	14.6	111.7	167.9	64.4	40.3	74.3	115.0	145.8	62.6	35.1
13	19.1	14.3	14.4	132.9	168.2	61.4	39.9	70.3	129.1	147.3	58.4	32.9
14	19.0	14.1	14.1	144.9	167.7	58.1	39.5	67.3	131.7	144.8	54.8	31.2
15	19.0	14.1	13.7	151.5	168.2	56.0	39.6	65.4	130.1	146.2	51.9	29.9
16	19.0	14.1	13.4	149.4	167.7	54.8	38.3	63.4	127.1	142.7	51.0	28.7
17	18.8	14.1	13.2	150.1	168.3	55.3	37.9	60.7	121.4	134.3	50.4	27.9
18	18.8	13.9	13.2	149.9	169.8	52.8	37.2	50.3	113.5	126.9	48.9	27.1
19	18.8	13.7	13.0	147.8	169.8	51.3	36.4	47.3	108.2	120.8	46.7	26.9
20	18.8	13.7	12.9	148.2	169.5	49.2	36.0	45.6	104.2	123.1	44.6	26.9
21	18.7	13.7	12.7	152.4	169.5	46.0	34.9	43.9	107.1	135.9	43.5	29.2
22	16.6	13.7	12.6	156.9	169.2	43.9	34.8	42.8	113.0	141.1	42.5	52.1
23	16.4	13.9	12.5	158.3	169.4	45.5	34.8	41.9	112.7	143.8	42.0	81.4
24	16.3	14.8	12.5	158.5	169.0	50.3	35.3	42.4	101.5	158.9	41.5	83.6
25	16.1	16.9	12.5	158.3	169.5	50.0	35.8	43.4	96.3	161.0	41.3	77.3
26	16.1	18.3	12.5	158.8	169.4	48.3	35.9	43.4	86.5	158.2	41.2	70.4
27	16.1	22.6	12.5	159.5	168.0	46.9	36.3	43.2	83.0	154.9	41.0	64.4
28	16.0	24.4	12.4	160.4	167.3	49.4	37.9	43.2	82.3	152.9	40.9	59.2
29	15.6		12.4	162.6	167.3	50.4	39.3	48.5	89.6	152.9	40.4	55.0
30	15.5		12.4	164.8	163.0	51.1	40.6	57.2	95.2	154.2	37.7	57.5
31	15.3		12.4		159.1		48.9	64.7		153.6		69.1
Mean	18.3	15.4	14.9	119.8	167.1	69.9	40.1	59.7	95.3	133.2	66.6	47.7
Maximum	20.7	24.4	23.5	164.8	169.8	149.8	51.2	87.6	131.7	161.0	148.5	83.6
Minimum	15.3	13.7	12.4	12.2	159.1	43.9	34.8	41.9	59.8	77.7	37.7	26.9
Total	49	37	40	310	448	181	107	160	247	357	173	128

(Total flows in million cubic metres per month)

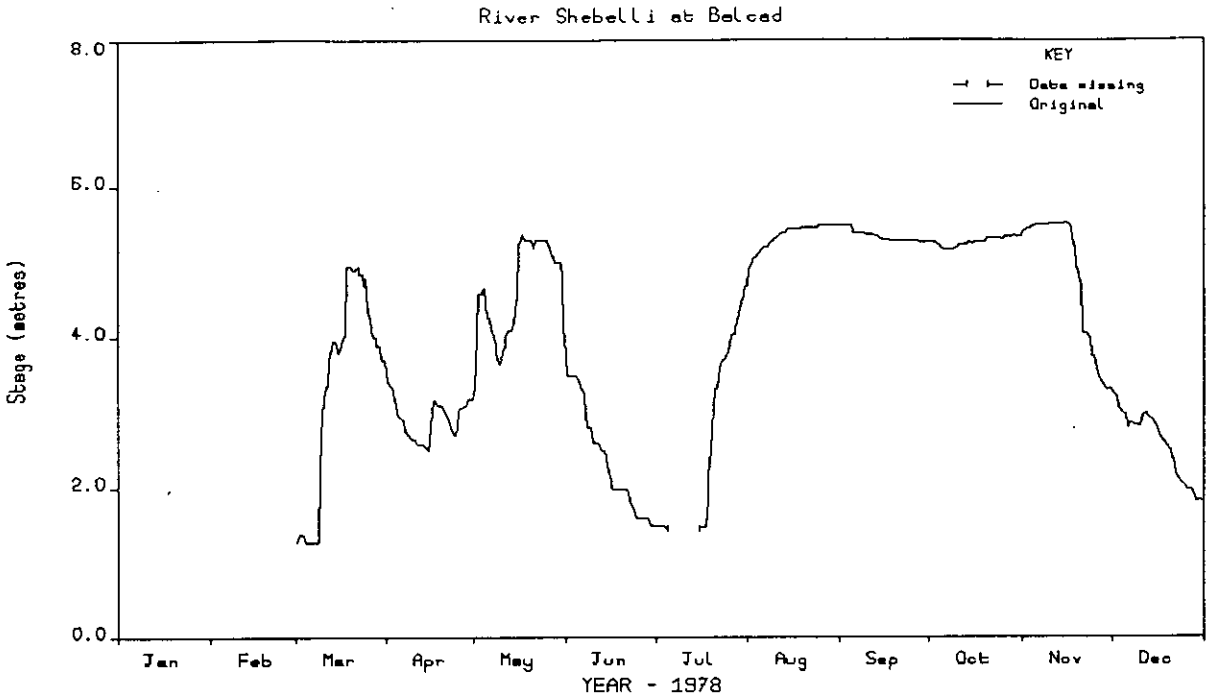
Annual statistics

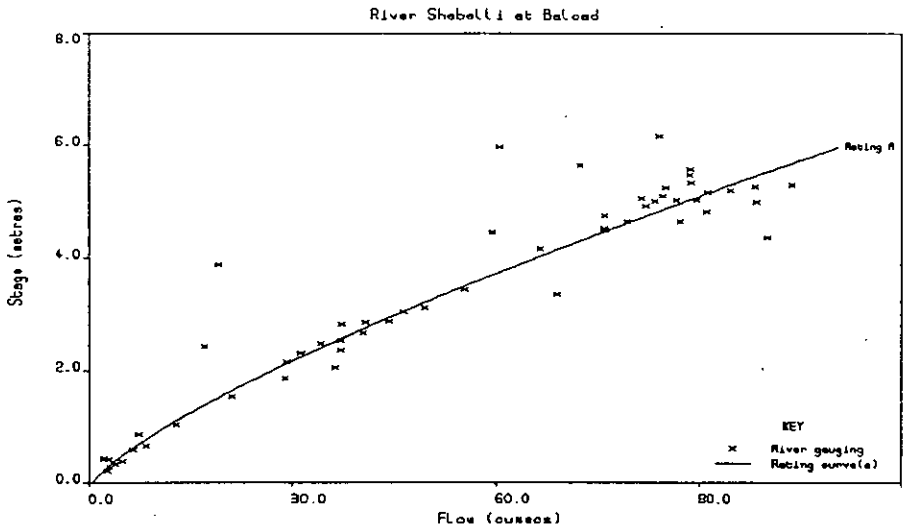
Mean : 70.9 (cubic metres per second)
Maximum : 169.8 (cubic metres per second)
Minimum : 12.2 (cubic metres per second)
Total : 2237 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

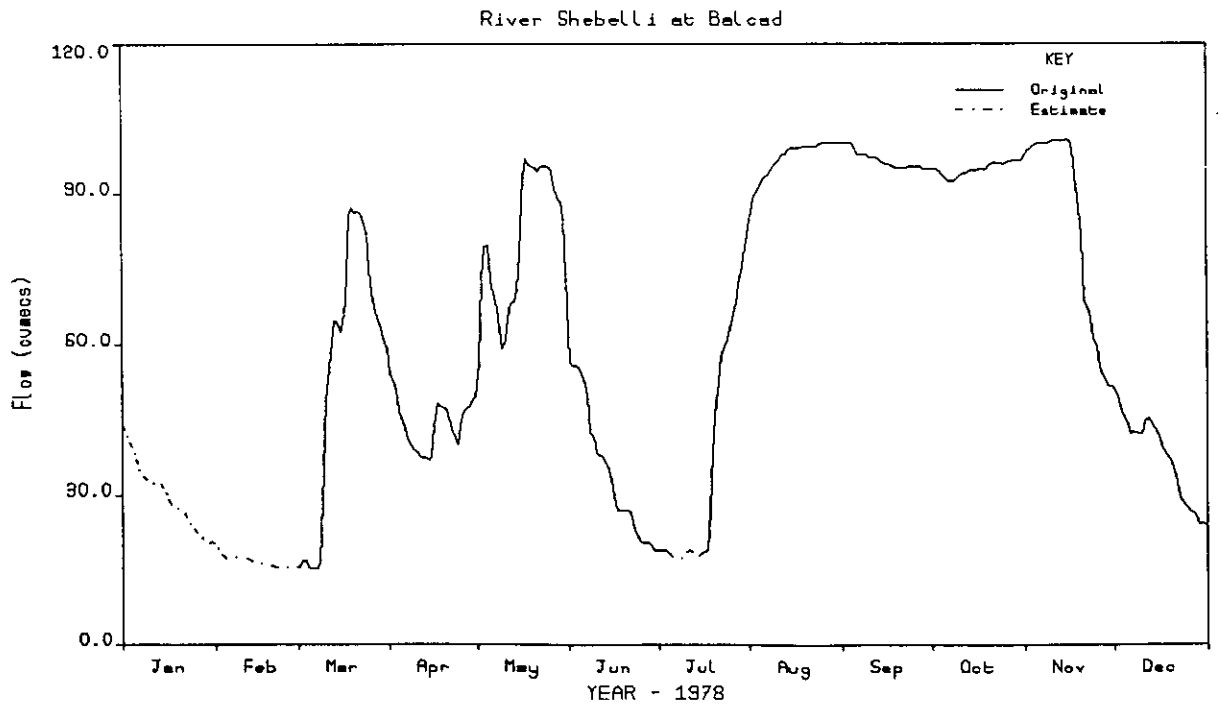
Comments : Original river level data reliable, but rating may produce flow values which are rather high



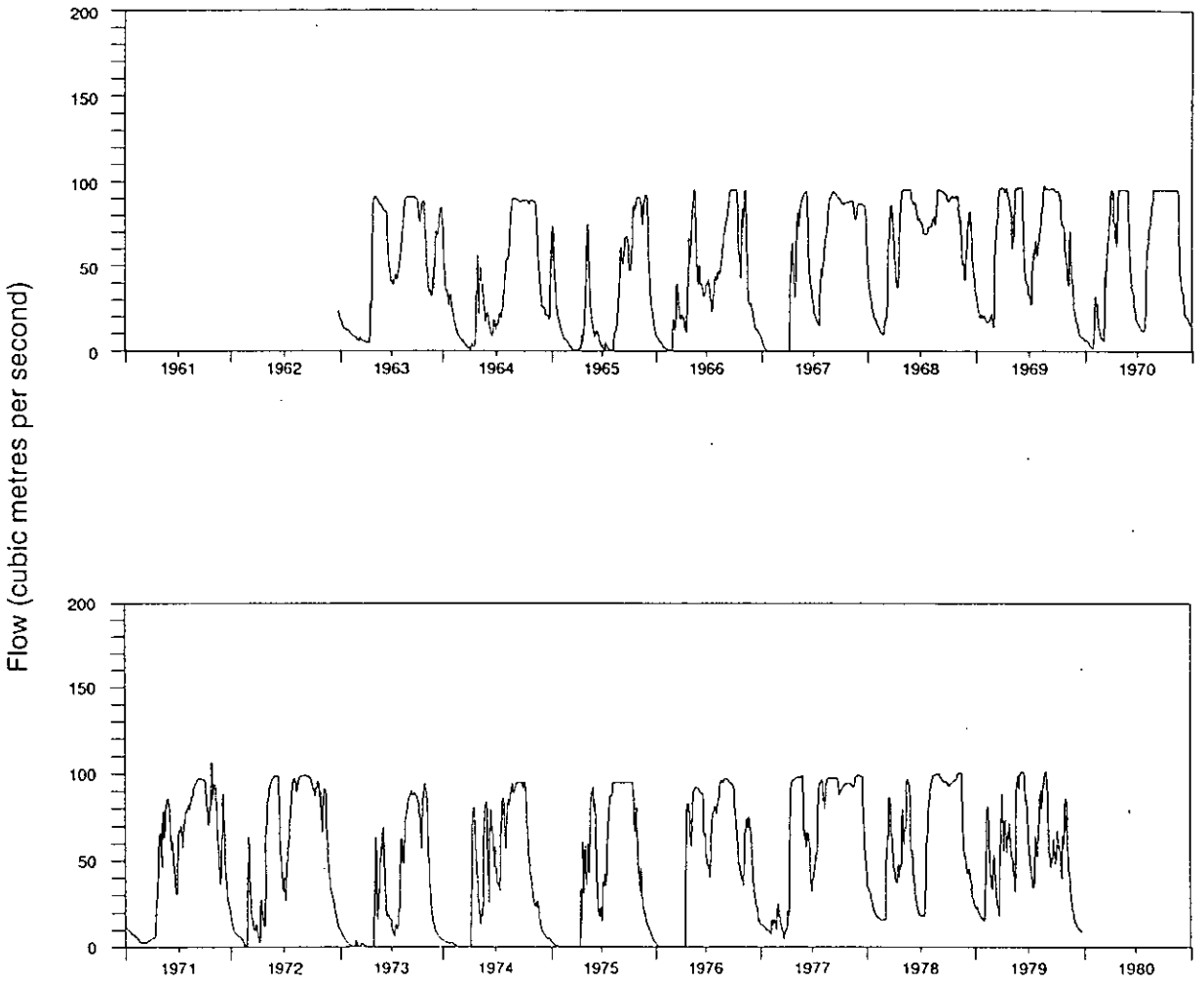


BALCAD

1963 - 1979



River Shebelli: Daily mean flows for Balcad
for the period 1963 - 1979



River Shebelli at Balcad 1963

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	23.6e	12.3e	8.0e	5.7e	89.3	85.0	40.8	53.7	91.0	86.6	53.0	65.2
2	22.7e	12.2e	7.7e	5.4e	89.6	84.4	40.3	56.0	90.7	84.5	50.4	67.7
3	21.9e	12.1e	7.3e	5.3e	89.6	83.9	39.9	58.4	90.7	82.6	47.8	69.7
4	21.0e	12.0e	7.0e	5.2e	89.5	83.6	41.2	61.6	90.7	79.6	43.8	70.8
5	20.1e	11.8e	6.7e	5.0e	90.6	83.4	41.2	62.9	90.9	78.0	40.5	70.3
6	19.4e	11.6e	6.6e	4.7e	91.3	82.8	41.6	64.6	90.8	77.9	38.2	70.1
7	18.7e	11.6e	6.4e	4.5e	91.0	82.7	40.3	67.1	90.7	78.0	36.6	69.7
8	18.1e	11.4e	6.2e	4.3e	91.0	83.1	39.1	69.2	90.7	77.2	35.5	68.3
9	17.8e	11.0e	6.0e	4.2e	90.8	82.5	38.4	71.5	90.8	75.7	35.3	67.8
10	17.3e	10.6e	5.9e	4.6e	90.6	82.3	38.8	74.6	90.8	75.7	34.4	67.9
11	16.9e	10.4e	5.8e	4.7e	90.3	82.0	39.4	76.3	90.8	77.5	34.6	69.2
12	16.4e	10.2e	5.6e	4.6e	90.1	82.0	40.6	77.9	90.9	79.3	35.9	71.1
13	15.9e	9.9e	5.9e	4.5e	89.9	81.8	42.8	79.9	91.0	81.6	36.2	73.6
14	15.5e	9.7e	6.7e	4.3e	89.7	82.0	43.0	81.8	91.0	83.7	34.7	77.4
15	15.0e	9.4e	8.4e	4.3e	89.4	82.4	43.8	83.7	90.9	84.8	32.9	80.0
16	14.6e	9.2e	8.3e	4.6e	89.2	80.9	45.0	85.8	90.9	86.2	32.3	82.0
17	14.1e	9.0e	7.6e	4.8e	89.1	75.4	45.3	87.5	90.7	87.9	32.2	82.9
18	13.9e	8.9e	7.1e	5.1e	89.0	66.9	44.8	88.6	90.6	88.4	33.1	83.7
19	13.4e	8.8e	6.8e	11.6e	88.5	60.2	44.2	89.2	90.5	88.6	36.8	84.2
20	13.0e	8.7e	6.5e	26.4	87.9	57.4	43.9	89.8	90.3	88.5	41.6	84.8
21	13.1e	8.6e	6.2e	29.4	87.1	55.9	42.1	90.5	90.4	88.4	43.2	84.5
22	13.5e	8.5e	6.2e	24.8	86.7	55.5	41.5	90.7	90.8	87.6	42.3	83.1
23	13.1e	8.4e	6.0e	24.7	86.4	53.0	42.6	90.8	90.4	87.0	40.0	81.4
24	12.8e	8.4e	5.8e	33.0	86.3	51.0	43.8	90.6	90.0	83.5	36.9	79.3
25	13.0e	8.3e	5.4e	45.7	86.2	49.3	45.1	90.5	90.0	77.3	36.3	77.0
26	13.0e	8.2e	5.2e	60.9	86.4	48.0	46.4	90.5	89.8	73.7	41.8	74.4
27	12.8e	8.2e	5.2e	77.3	86.1	47.7	48.5	90.5	89.7	68.2	46.0	71.7
28	12.4e	8.2e	5.5e	85.2	85.4	45.5	48.5	90.7	89.8	63.8	51.3	67.4
29	12.0e		5.7e	88.2	85.2	44.2	49.3	90.8	89.7	61.0	56.7	62.5
30	12.0e		5.9e	88.8	85.0	41.2	50.5	90.8	89.1	57.3	61.6	57.7
31	12.0e		6.0e		84.9		51.9	90.8		55.0		53.8
Mean	15.8	9.9	6.4	22.7	88.5	69.2	43.4	79.9	90.5	78.9	40.7	73.2
Maximum	23.6	12.3	8.4	88.8	91.3	85.0	51.9	90.8	91.0	88.6	61.6	84.8
Minimum	12.0	8.2	5.2	4.2	84.9	41.2	38.4	53.7	89.1	55.0	32.2	53.8
Total	42	24	17	59	237	179	116	214	235	211	106	196

(Total flows in million cubic metres per month)

Annual statistics

Mean : 51.9 (cubic metres per second)
Maximum : 91.3 (cubic metres per second)
Minimum : 4.2 (cubic metres per second)
Total : 1636 (million cubic metres)

Data availability

Original values : 256
Estimated values (Flag e) : 109
Missing values (Flag m) : 0

Comments : Station established in April; data quality good

River Shebelli at Balcad 1964

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	49.1	23.5	7.0	1.9	21.3	22.9	13.1	47.3	89.8	88.4	88.9	35.8
2	45.4	21.4	6.0	0.6	23.1	22.1	16.1	50.1	89.8	88.4	88.9	34.1
3	42.0	19.6	6.3	1.0	27.3	20.1	16.4	51.8	89.8	88.4	88.7	31.5
4	39.5	18.7	4.5	2.2	36.2	18.3	15.3	52.9	89.8	88.7	88.4	28.4
5	37.5	17.7	4.9	2.8	43.2	17.2	15.7	53.9	89.8	88.9	88.2	27.1
6	35.1	16.8	5.2	3.3	47.1	15.9	15.5	54.5	89.7	88.9	88.2	26.9
7	35.2	16.6	5.7	5.0	49.0	14.7	15.1	54.7	89.6	88.9	88.2	25.7
8	35.0	17.0	6.3	3.2	47.9	13.7	15.4	54.5	89.4	88.9	88.2	25.4
9	35.0	15.3	4.9	3.2	45.0	13.0	17.0	53.8	89.3	88.9	88.2	25.4
10	35.5	14.0	4.5	2.7	42.9	11.9	19.5	53.3	89.3	88.9	88.2	25.5
11	35.4	13.1	4.1	2.4	42.1	10.8	22.7	54.4	89.3	88.9	88.1	26.1
12	34.2	12.5	3.9	2.4	40.7	10.3	22.3	56.6	89.3	88.9	87.2	26.4
13	33.1	11.9	3.7	2.2	39.5	9.9	21.8	59.4	89.2	88.9	85.5	26.1
14	31.9	11.7	4.1	1.9	37.7	9.3	21.4	62.7	89.0	88.9	84.4	25.5
15	30.6	11.7	4.6	2.5	35.2	8.8	20.7	67.4	88.5	88.8	81.7	24.3
16	28.7	12.0	3.1	2.7	33.7	8.4	20.0	70.2	88.1	88.7	78.7	23.2
17	26.7	11.0	2.7	2.4	33.1	8.1	19.4	72.7	87.9	88.5	76.6	22.3
18	26.8	9.9	2.6	3.4	29.7	8.4	19.9	75.2	87.8	88.1	73.6	21.8
19	27.6	9.3	2.4	11.6	27.5	10.0	20.3	77.9	87.7	87.8	70.3	21.0
20	29.9	9.1	2.2	23.0	25.8	13.1	22.2	80.6	87.7	87.3	65.9	21.1
21	31.7	8.8	2.4	31.4	23.5	16.8	23.9	83.3	87.9	86.7	62.4	21.2
22	32.9	8.4	3.3	34.9	22.4	18.2	24.3	86.1	88.0	86.4	58.4	20.8
23	33.5	7.9	2.0	36.4	19.3	18.7	25.5	87.7	87.8	86.2	54.6	20.7
24	34.1	7.6	1.6	36.7	16.5	18.1	25.4	88.5	87.8	86.6	51.3	20.6
25	33.8	7.4	1.3	43.7	17.0	16.9	27.2	89.2	88.0	87.3	48.3	20.4
26	32.2	7.1	1.2	56.5	18.0	15.5	31.0	89.6	88.2	88.0	45.4	20.4
27	29.4	6.9	0.9	55.9	18.9	14.1	34.4	89.8	88.2	88.6	43.1	20.5
28	26.5	6.9	1.0	45.1	19.6	13.2	35.8	89.8	88.4	88.9	41.2	20.9
29	25.2	7.2	2.3	33.3	20.9	12.2	37.7	90.0	88.4	88.9	39.4	20.3
30	24.2		0.9	24.0	22.6	12.0	40.4	90.0	88.6	89.1	37.6	18.7
31	23.5		0.8		23.1		43.3	89.9		89.1		18.1
Mean	32.9	12.5	3.4	15.9	30.6	14.1	23.2	70.3	88.7	88.3	71.9	24.1
Maximum	49.1	23.5	7.0	56.5	49.0	22.9	43.3	90.0	89.8	89.1	88.9	35.8
Minimum	23.5	6.9	0.8	0.6	16.5	8.1	13.1	47.3	87.7	86.2	37.6	18.1
Total	88	31	9	41	82	36	62	188	230	237	186	64

(Total flows in million cubic metres per month)

Annual statistics

Mean : 39.7 (cubic metres per second)
Maximum : 90.0 (cubic metres per second)
Minimum : 0.6 (cubic metres per second)
Total : 1256 (million cubic metres)

Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments : Minimal Gu flood, but extended Der flood

River Shebelli at Balcad 1965

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	19.4	18.9	6.3	0.5e	14.9	13.5	1.9	0.4e	44.8	53.3	90.2	91.9
2	25.9	18.2	6.2	0.4e	18.9	12.0	2.0	0.4e	47.7	50.2	89.7	91.7
3	35.3	18.2	5.9	0.5e	22.0	10.3	3.7	0.3e	50.3	47.8	89.9	91.1
4	41.2	18.2	5.7	0.5e	27.5	8.9	1.9	0.3e	53.9	46.8	91.0	90.2
5	48.0	17.6	5.4	0.5e	34.7	7.7	1.3	0.3e	58.4	47.0	90.9	88.0
6	54.3	16.4	5.0	0.5e	41.9	8.0	1.2	0.3e	61.2	47.9	90.9	82.1
7	58.4	15.6	4.6	0.5e	50.7	9.1	1.1	0.3e	60.6	47.1	90.8	76.9
8	62.8	14.9	4.2	0.5e	58.1	9.9	1.0	0.3e	58.7	47.0	90.5	68.5
9	68.0	14.1	3.9	0.5e	62.8	9.6	0.9	0.3e	56.6	47.3	90.3	60.1
10	71.1	13.5	3.4	0.5e	67.2	9.4	0.8	0.3e	54.0	48.3	89.6	54.6
11	73.1	13.1	3.2	0.5e	71.3	11.0	0.7	0.3e	51.7	53.2	88.2	50.4
12	73.6	12.6	2.8	0.7	74.1	12.4	0.9	0.8	50.5	58.4	87.1	46.5
13	72.0	11.8	2.7	0.9	74.4	12.1	2.3	5.9	51.6	61.2	85.5	43.8
14	67.5	11.1	2.7	1.2	72.7	10.6	5.2	9.0	53.4	61.5	83.3	41.0
15	62.0	10.3	2.1	1.5	69.2	9.7	3.3	10.3	55.6	60.8	79.8	37.3
16	55.8	9.5	1.9	1.2	62.6	9.6	3.7	10.8	58.0	63.8	78.4	33.6
17	50.1	8.9	2.1	0.9	55.3	11.4	3.9	11.2	60.6	74.9	76.4	30.2
18	45.4	8.4	1.9	1.5	50.0	11.5	3.5	11.4	62.9	83.8	74.1	28.7
19	42.7	7.9	1.6	3.8	45.2	10.2	3.2	11.5	65.0	85.8	74.1	27.6
20	39.4	7.4	1.3	1.7	40.9	8.5	2.9	11.7	66.6	83.7	76.6	27.0
21	36.3	6.7	1.2	2.6	36.8	6.9	2.6	12.8	66.8	83.0	79.1	26.4
22	33.0	6.3	1.0	1.7	33.1	5.8	2.2	16.0	66.5	82.9	81.6	25.3
23	28.5	6.4	0.8	9.5	29.4	5.0	1.4	18.7	66.3	83.2	84.2	24.2
24	27.1	6.8	0.6	8.2	26.4	4.6	1.6	20.0	66.7	84.0	86.5	23.4
25	26.4	6.9	0.5	5.8	24.8	4.7	0.8	20.6	67.1	85.7	88.5	22.0
26	25.3	6.5	0.5	5.0	21.5	5.0	0.6	21.6	67.9	87.0	90.0	20.7
27	24.1	6.3	0.5	6.2	19.3	4.6	0.7	23.9	67.3	88.2	91.1	19.4
28	22.9	6.4	0.5e	6.5	17.8	3.7	0.7	28.3	65.4	89.1	91.7	17.7
29	21.9		0.5e	8.2	16.7	2.9	0.7	34.1	61.5	89.8	92.0	16.2
30	20.8		0.5e	9.7	15.4	2.4	0.6	38.1	56.9	90.1	92.1	15.2
31	19.6		0.5e		14.3		0.5	41.3		90.5		14.6
Mean	43.6	11.4	2.6	2.7	41.0	8.4	1.9	11.7	59.2	68.5	86.1	44.7
Maximum	73.6	18.9	6.3	9.7	74.4	13.5	5.2	41.3	67.9	90.5	92.1	91.9
Minimum	19.4	6.3	0.5	0.4	14.3	2.4	0.5	0.3	44.8	46.8	74.1	14.6
Total	117	28	7	7	110	22	5	31	153	183	223	120

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	31.9	(cubic metres per second)
Maximum	:	92.1	(cubic metres per second)
Minimum	:	0.3	(cubic metres per second)
Total	:	1006	(million cubic metres)

Data availability

Original values	:	339
Estimated values (Flag e)	:	26
Missing values (Flag m)	:	0

Comments : Unusual flow pattern; flood peak in January, late Gu flood in May and river virtually dry in July and August. Estimates made when level below staff gauge

River Shebelli at Balcad 1966

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	13.3	1.9e	0.3e	20.0e	53.9e	40.8e	39.8e	43.8e	70.2e	95.0e	82.5e	28.3
2	12.5	1.9e	2.0e	20.9e	55.3e	45.3e	39.5e	43.9e	71.2e	95.0e	84.3e	27.8
3	11.6	1.8e	9.2e	21.3e	56.5e	49.2e	39.2e	42.9e	72.1e	95.0e	80.9e	27.0
4	11.1	1.7e	15.6e	21.1e	59.3e	50.5e	39.5e	41.9e	72.7e	95.0e	76.8e	25.9
5	10.6	1.7e	18.3e	20.7e	63.1e	48.8e	41.0e	41.2e	73.4e	95.0e	73.5e	24.7
6	10.0	1.6e	18.6e	20.3e	67.6e	45.4e	41.9e	41.4e	73.9e	95.0e	72.5e	23.5
7	9.2	1.4e	17.3e	19.9e	74.2e	42.4e	42.1e	42.6e	74.5e	95.0e	75.6e	22.3
8	8.9	1.2e	15.9e	19.4e	77.1e	40.2e	41.9e	44.3e	75.6e	95.0e	81.3e	21.0
9	8.3	1.1e	14.5e	19.0e	78.7e	38.9e	40.9e	45.4e	77.0e	95.0e	87.9e	20.0
10	7.9	1.1e	13.2e	18.4e	82.2e	39.0e	39.7e	46.0e	78.2e	95.0e	94.9e	19.5
11	7.6	1.0e	12.1e	16.9e	86.4e	39.4e	38.2e	46.3e	78.8e	95.0e	95.0e	18.7
12	7.5	1.0e	11.8e	15.1e	91.6e	39.4e	36.7e	46.5e	79.4e	95.0e	95.0e	17.7
13	7.5	1.0e	14.7e	14.2e	95.0e	39.3e	35.0e	46.6e	80.1e	95.0e	93.3e	16.4
14	7.2	0.9e	20.5e	13.3e	95.0e	38.3e	33.3e	46.7e	81.2e	95.0e	84.7e	15.6
15	6.7	0.9e	29.7e	12.4e	95.0e	36.8e	31.5e	46.0e	83.0e	91.7e	78.2e	14.8
16	6.3	0.9e	36.8e	11.9e	95.0e	35.4e	29.9e	45.1e	84.8e	82.9e	70.0e	13.8
17	5.6	0.8e	39.5e	11.6e	95.0e	33.8e	28.4e	45.2e	86.4e	76.3e	61.6e	13.2
18	5.8	0.8e	39.7e	11.3e	95.0e	32.4e	26.7e	46.1e	88.3e	68.8e	54.3e	12.7
19	5.7	0.8e	38.9e	10.7e	90.7e	31.8e	25.0e	47.2e	90.4e	62.9e	47.9e	12.4
20	5.4	0.7e	37.3e	11.6e	82.5e	32.5e	23.6e	48.5e	92.5e	59.8e	42.3e	12.2
21	5.1	0.7e	33.6e	16.9e	74.5e	33.7e	22.5e	50.4e	94.7e	58.1e	37.5e	12.1
22	4.9	0.7e	31.1e	25.2e	66.8e	33.8e	22.6e	52.0e	95.0e	57.3e	33.6e	12.0
23	4.8	0.6e	28.9e	33.3e	60.9e	32.9e	23.3e	53.7e	95.0e	56.7e	30.9e	11.9
24	4.6	0.6e	26.8e	41.3e	56.5e	32.7e	25.4e	55.3e	95.0e	54.6e	29.3e	11.9
25	4.4	0.6e	23.9e	54.8e	51.4e	33.7e	28.1e	57.3e	95.0e	49.7e	28.3e	11.7
26	4.3	0.5e	21.6e	66.4e	48.1e	34.5e	31.4e	59.1e	95.0e	45.9e	27.7e	11.4
27	3.8	0.4e	19.9e	59.9e	46.0e	36.1e	33.0e	61.5e	95.0e	43.7e	27.3e	10.8
28	3.3	0.3e	19.7e	52.7e	43.9e	37.6e	35.3e	63.8e	95.0e	42.6e	27.2e	10.5
29	2.9		18.9e	51.2e	41.5e	38.5e	38.5e	65.7e	95.0e	44.7e	27.4e	10.2
30	2.4		18.3e	52.7e	39.0e	39.3e	40.9e	67.3e	95.0e	56.9e	27.9e	10.0
31	2.0		18.7e		38.4e		42.7e	68.8e		73.3e		9.9
Mean	6.8	1.0	21.5	26.1	69.6	38.4	34.1	50.1	84.4	76.0	61.0	16.4
Maximum	13.3	1.9	39.7	66.4	95.0	50.5	42.7	68.8	95.0	95.0	95.0	28.3
Minimum	2.0	0.3	0.3	10.7	38.4	31.8	22.5	41.2	70.2	42.6	27.2	9.9
Total	18	2	58	68	186	100	91	134	219	204	158	44

(Total flows in million cubic metres per month)

Annual statistics

Mean : 40.7 (cubic metres per second)
Maximum : 95.0 (cubic metres per second)
Minimum : 0.3 (cubic metres per second)
Total : 1282 (million cubic metres)

Data availability

Original values : 62
Estimated values (Flag e) : 303
Missing values (Flag m) : 0

Comments : Most values on original data sheets clearly erroneous

River Shebelli at Balcad 1967

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	9.8	0.0e	0.0e	0.0e	31.1e	92.9	28.5	45.3e	91.8	90.2	87.5	85.8
2	9.3	0.0e	0.0e	0.0e	33.1e	93.5	27.0	43.6e	92.1	89.3	87.6	86.3
3	8.8	0.0e	0.0e	0.0e	38.2e	93.9	25.1	44.2e	92.2	88.9	87.8	86.7
4	8.3	0.0e	0.0e	0.0e	41.9e	93.8	23.4	46.3e	92.8	88.6	88.1	86.8
5	7.7	0.0e	0.0e	0.0e	48.7e	93.9	22.4	48.6e	93.2	88.3	88.3	86.8
6	7.2	0.0e	0.0e	0.0e	59.4e	94.2	22.0	51.3e	93.7	87.7	88.4	86.6
7	6.7	0.0e	0.0e	0.0e	71.5e	94.4	21.7	54.0e	94.4	87.3	88.4	86.4
8	6.1	0.0e	0.0e	0.0e	81.7e	94.3	21.3	56.2e	94.7	87.0	88.8	86.7
9	5.3	0.0e	0.0e	0.0e	81.5e	93.7	21.1	58.5e	94.4	87.1	88.8	87.4
10	4.7	0.0e	0.0e	0.0e	77.3e	92.8	20.9	60.7e	94.1	87.1	88.6	87.3
11	4.0	0.0e	0.0e	4.7e	75.0e	88.8	20.0	63.2e	93.8	87.0	88.4	87.2
12	3.4	0.0e	0.0e	6.8e	73.9e	85.4	18.9	65.2e	93.4	86.8	88.4	87.0
13	2.9	0.0e	0.0e	8.5e	72.8e	81.6	18.2	66.5e	93.3	86.5	88.2	87.0
14	2.5	0.0e	0.0e	19.1e	73.0e	77.2	17.6	67.2e	93.1	86.3	88.2	86.8
15	2.3	0.0e	0.0e	35.4e	75.7	70.9	17.4	67.6e	93.0	86.6	88.0	86.6
16	2.2	0.0e	0.0e	45.2e	77.9	64.8	17.1	68.3e	92.8	86.3	87.7	86.1
17	1.7	0.0e	0.0e	48.0e	80.0	56.8	16.9	68.8e	92.5	86.9	86.0	85.9
18	1.3	0.0e	0.0e	51.9e	82.7	52.0	16.2	69.7e	92.1	87.6	84.0	86.0
19	1.1	0.0e	0.0e	56.5e	85.0	49.1	15.8	72.3e	91.7	87.5	83.0	85.7
20	1.0	0.0e	0.0e	60.9e	86.2	45.8	15.4e	75.0e	91.6	87.5	81.5	85.7
21	0.9	0.0e	0.0e	64.0e	86.8	44.0	15.0e	77.2e	91.2	87.7	79.4	85.7
22	0.8	0.0e	0.0e	61.6e	87.7	42.3	14.6e	80.1e	91.1	87.5	77.6	85.7
23	0.7	0.0e	0.0e	56.8e	88.4	41.2	15.0e	84.5e	91.0	87.6	77.1	85.7
24	0.6	0.0e	0.0e	52.7e	88.9	40.4	18.8e	89.3e	90.8	87.5	77.2	85.9
25	0.4	0.0e	0.0e	49.4e	89.7	38.1	28.0e	90.2e	90.6	87.2	78.1	85.1
26	0.2	0.0e	0.0e	45.6e	90.2	35.3	39.8e	89.9e	90.5	87.2	79.0	82.8
27	0.0	0.0e	0.0e	41.3e	90.7	32.9	44.7e	89.7e	89.9	87.6	80.1	77.3
28	0.0	0.0e	0.0e	37.9e	91.2	31.5	46.6e	89.5e	89.8	88.0	81.6	72.8
29	0.0		0.0e	34.7e	91.7	30.4	48.3e	89.3	89.7	87.7	83.4	67.8
30	0.0		0.0e	32.2e	92.1	29.9	48.9e	90.7	90.3	87.6	84.7	63.5
31	0.0		0.0e		92.5		47.7e	91.6		87.5		60.3
Mean	3.2	0.0	0.0	27.1	75.4	65.9	25.0	69.5	92.2	87.5	84.8	83.3
Maximum	9.8	0.0	0.0	64.0	92.5	94.4	48.9	91.6	94.7	90.2	88.8	87.4
Minimum	0.0	0.0	0.0	0.0	31.1	29.9	14.6	43.6	89.7	86.3	77.1	60.3
Total	9	0	0	70	202	171	67	186	239	234	220	223

(Total flows in million cubic metres per month)

Annual statistics

Mean : 51.4 (cubic metres per second)
Maximum : 94.7 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1621 (million cubic metres)

Data availability

Original values : 222
Estimated values (Flag e) : 143
Missing values (Flag m) : 0

Comments : Original data missing February-May; data very dubious July-August

River Shebelli at Balcad 1968

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	55.8	18.5	15.9	63.0	94.8	88.3	76.0	73.2e	94.8	88.2	91.2	61.9
2	52.6	17.1	16.4	59.3	94.9	88.1	75.9	73.3e	94.9	88.2	91.4	65.5
3	49.8	16.2	17.1	55.6	95.0	87.6	74.6	73.1e	94.9	88.7	88.9	70.2
4	46.8	15.7	17.7	53.2	95.1	87.0	74.5	73.1e	94.7	89.1	83.8	72.6
5	44.0	15.6	17.8	51.4	95.1	86.4	74.5	73.7e	94.4	89.4	80.4	74.6
6	41.6	15.1	19.0	49.4	95.1	86.3	74.5	74.7e	94.4	89.9	78.9	77.0
7	39.8	14.3	20.6	45.5	95.1	86.3	72.6e	75.8e	94.3	90.2	77.2	75.6
8	38.5	14.0	22.4	41.5	95.1	87.0	71.0e	76.5e	94.2	90.6	76.2	77.7
9	37.0	13.8	28.9	39.0	95.1	87.9	69.6e	77.3e	94.1	90.8	75.0	80.9
10	35.6	13.6	43.9	37.9	95.1	87.2	69.1e	77.9e	94.0	91.0	72.5	82.3
11	34.3	13.2	51.6	37.1	95.1	86.7	69.0e	78.3e	93.8	91.0	70.3	82.3
12	33.1	12.8	59.5	37.0	95.1	86.6	68.9e	78.7e	93.7	91.2	66.8	82.4
13	32.0	12.2	61.8	38.0	95.1	86.2	68.8e	79.6e	93.6	91.9	62.3	80.1
14	30.9	11.5	64.0	38.9	95.1	85.4	68.8e	79.8e	93.5	90.9	58.1	73.9
15	29.7	11.2	67.5	39.6	95.1	84.3	68.7e	78.3e	93.3	90.3	54.6	76.9
16	29.0	10.8	71.2	43.2	95.1	82.6	68.6e	75.5e	93.2	90.3	52.1	73.7
17	27.4	10.7	75.4	49.2	95.1	80.9	68.5e	73.8e	92.8	90.3	50.7	68.6
18	25.4	10.6	79.8	57.1	95.1	79.0	68.5e	75.1e	92.6	90.2	51.0	63.8
19	24.8	10.4	83.6	66.9	95.1	78.0	68.6e	76.9e	92.6	90.0	52.4	58.3
20	23.6	10.3	85.0	73.6	95.1	77.1	68.6e	78.8e	92.5	90.1	50.2	53.7
21	22.4	10.1	85.9	76.3	95.1	76.5	69.0e	81.4e	92.3	90.0	45.7	51.5
22	21.4	9.9	86.3	79.7	95.1	76.7	69.6e	84.6e	92.0	90.1	44.8	50.0
23	20.8	9.6	85.6	83.5	94.9	77.2	70.7e	88.4e	91.3	91.0	47.0	48.3
24	19.7	9.4	85.1	87.4	94.9	77.8	71.9e	92.7e	90.3	91.3	41.9	46.5
25	18.9	9.2	83.0	90.3	95.1	78.2	72.9e	95.0e	89.0	91.6	42.3	44.6
26	19.4	9.4	80.2	92.1	94.5	78.4	72.9e	95.3	88.6	91.6	41.8	42.1
27	19.7	10.1	77.3	93.1	93.4	78.2	72.8e	94.8	88.4	91.4	41.6	40.4
28	19.1	11.4	74.7	93.8	91.0	77.4	72.7e	95.0	88.0	91.1	44.7	38.5
29	18.4	14.3	71.8	94.5	90.2	76.7	72.6e	94.9	87.7	90.3	51.2	36.8
30	17.8		69.6	94.7	89.6	76.1	72.7e	94.9	87.8	88.8	57.3	35.1
31	17.7		66.3		88.8		73.0e	94.9		89.6		33.7
Mean	30.5	12.4	57.6	62.1	94.3	82.4	71.3	81.8	92.4	90.3	61.4	61.9
Maximum	55.8	18.5	86.3	94.7	95.1	88.3	76.0	95.3	94.9	91.9	91.4	82.4
Minimum	17.7	9.2	15.9	37.0	88.8	76.1	68.5	73.1	87.7	88.2	41.6	33.7
Total	82	31	154	161	253	214	191	219	239	242	159	166

(Total flows in million cubic metres per month)

Annual statistics

Mean : 66.7 (cubic metres per second)
Maximum : 95.3 (cubic metres per second)
Minimum : 9.2 (cubic metres per second)
Total : 2111 (million cubic metres)

Data availability

Original values : 316
Estimated values (Flag e) : 50
Missing values (Flag m) : 0

Comments : No original data for much of July and August; remainder appears reliable

River Shebelli at Balcad 1969

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	32.3	18.7	14.1	96.3	76.1	96.3	33.2	62.3e	95.9	93.8	57.6e	23.1e
2	31.1	18.1	13.5	96.3	71.1	96.4	33.2	63.4e	95.6	94.0	53.2e	21.4e
3	30.2	18.2	14.5	96.3	64.2	96.6	33.0	64.1e	95.4	94.0	49.7e	19.9e
4	28.8	18.0	22.4	96.3	60.0	95.8	31.3	66.1e	95.2	94.2	48.0e	19.0e
5	26.6	17.7	37.8	95.9	59.8	96.2	31.3	67.6e	95.1	94.2	45.4e	18.6e
6	25.5	17.5	54.6	95.4	64.3	95.5	29.1	69.0e	95.1	94.1	42.9e	18.0e
7	24.1	17.2	59.3	94.5	66.3	90.7	27.2	70.9e	95.4	92.8	41.7e	17.1e
8	23.3	16.5	62.1	93.3	66.1	85.5	27.0	74.1e	95.4	91.9	40.4e	16.7e
9	22.8	16.2	64.2	93.4	64.4	80.0	27.0	77.4e	95.4	91.3	39.5e	16.3e
10	23.9	16.5	66.0	94.1	64.7	73.2	28.0	79.1e	95.4	90.9	38.5e	15.9e
11	23.6	16.9	67.9	94.7	78.2	66.1	36.9	81.0e	95.4	90.0	38.1e	15.5e
12	21.5	17.1	69.7	95.2	82.5	59.4	45.0	82.3e	95.4	88.9	39.9e	14.7e
13	20.3	17.3	72.1	95.6	88.9	54.9	50.0	83.8e	95.4	90.1	49.3e	13.8e
14	19.6	17.2	75.7	95.9	93.9	52.8	54.4	86.2e	95.6	92.5	60.8e	12.9e
15	19.4	17.3	79.9	96.1	96.0	50.7	58.0	88.4e	95.6	88.3	71.4e	12.0e
16	19.3	17.6	84.5	94.3	95.7	48.4	56.7e	90.3e	95.4	78.5	67.8e	11.1e
17	20.1	17.9	88.7	92.4	95.9	44.0	54.5e	92.2e	95.7	75.1	61.5e	10.4e
18	21.2	19.2	91.3	92.0	96.2	42.0	54.0e	94.2e	95.9	75.0	56.9e	9.6e
19	21.5	20.5	92.9	91.8	96.3	41.2	55.0e	95.5e	95.9	74.5	52.6e	9.3e
20	21.4	21.4	93.9	91.3	96.5	40.1	58.8e	96.8e	95.8	74.9	49.1e	9.0e
21	20.7	21.9	94.7	90.7	95.9	39.5	62.5e	98.2	95.7	73.5	45.7e	8.6e
22	19.8	21.9	95.2	89.6	96.0	39.4	65.2e	96.9	95.7	73.4	42.6e	8.5e
23	19.5	21.9	95.7	88.2	96.2	39.2	65.1e	96.2	95.5	73.3	40.2e	8.3e
24	19.3	21.4	95.8	86.9	96.2	39.1	63.9e	95.7	94.7	73.6	38.3e	8.1e
25	19.9	19.7	95.8	85.8	95.7	39.0	61.7e	95.3	94.1	73.7	34.7e	7.9e
26	20.7	17.9	96.0	84.8	95.8	38.8	59.4e	95.3	93.7	71.6	30.9e	7.8e
27	21.3	16.5	96.1	85.1	95.9	38.1	56.3e	95.3	93.7	66.0	27.4e	7.8e
28	21.3	15.2	96.1	83.8	96.1	36.5	55.5e	95.5	93.7	58.7	25.3e	7.8e
29	21.2		96.2	81.7	96.3	33.4	55.5e	96.1	93.7	62.6	24.6e	7.8e
30	21.2		96.2	79.9	96.3	33.2	56.4e	96.3	93.7	65.7	24.1e	7.7e
31	20.5		96.3		96.5		59.3e	96.2		68.0		7.4e
Mean	22.6	18.3	73.5	91.6	85.0	59.4	47.9	85.2	95.1	81.3	44.6	12.6
Maximum	32.3	21.9	96.3	96.3	96.5	96.6	65.2	98.2	95.9	94.2	71.4	23.1
Minimum	19.3	15.2	13.5	79.9	59.8	33.2	27.0	62.3	93.7	58.7	24.1	7.4
Total	61	44	197	237	228	154	128	228	247	218	116	34

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	60.0	(cubic metres per second)
Maximum	:	98.2	(cubic metres per second)
Minimum	:	7.4	(cubic metres per second)
Total	:	1891	(million cubic metres)

Data availability

Original values	:	268
Estimated values (Flag e)	:	97
Missing values (Flag m)	:	0

Comments : July/August original data dubious; November/December unavailable

River Shebelli at Balcad 1970

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	7.3e	1.4e	8.0e	82.9e	95.0e	85.2e	17.0e	33.1e	95.0e	95.0e	95.0e	35.4e
2	7.1e	1.4e	7.7e	86.9e	95.0e	78.6e	16.7e	44.0e	95.0e	95.0e	95.0e	34.8e
3	6.8e	1.5e	7.6e	90.9e	95.0e	72.7e	16.5e	52.8e	95.0e	95.0e	95.0e	34.3e
4	6.7e	2.6e	7.5e	93.8e	95.0e	68.9e	16.5e	57.8e	95.0e	95.0e	95.0e	32.9e
5	6.4e	5.9e	7.2e	95.0e	95.0e	65.0e	16.5e	59.4e	95.0e	95.0e	95.0e	30.7e
6	6.2e	10.2e	6.9e	95.0e	95.0e	61.0e	16.4e	60.4e	95.0e	95.0e	95.0e	28.5e
7	6.2e	15.2e	6.5e	95.0e	95.0e	57.4e	15.8e	61.8e	95.0e	95.0e	95.0e	26.9e
8	6.2e	23.0e	6.1e	95.0e	95.0e	53.6e	15.4e	63.9e	95.0e	95.0e	95.0e	25.8e
9	6.2e	29.6e	5.9e	95.0e	95.0e	48.9e	14.9e	66.5e	95.0e	95.0e	95.0e	24.5e
10	6.1e	32.6e	5.7e	93.6e	95.0e	44.2e	14.5e	68.8e	95.0e	95.0e	95.0e	22.9e
11	5.9e	31.9e	5.4e	85.5e	95.0e	41.6e	14.1e	70.4e	95.0e	95.0e	95.0e	21.5e
12	5.7e	30.0e	7.2e	78.9e	95.0e	38.8e	13.8e	71.7e	95.0e	95.0e	95.0e	20.6e
13	5.7e	28.8e	19.5e	75.8e	95.0e	37.4e	13.4e	73.0e	95.0e	95.0e	95.0e	20.3e
14	5.6e	28.5e	40.8e	75.3e	95.0e	36.6e	13.0e	74.1e	95.0e	95.0e	95.0e	20.2e
15	5.6e	27.8e	47.4e	75.3e	95.0e	35.9e	12.6e	74.6e	95.0e	95.0e	95.0e	20.2e
16	5.6e	25.6e	44.5e	75.3e	95.0e	34.8e	12.3e	77.0e	95.0e	95.0e	95.0e	20.2e
17	5.5e	22.0e	40.5e	75.3e	95.0e	32.9e	12.0e	79.0e	95.0e	95.0e	95.0e	20.2e
18	5.4e	19.7e	37.3e	74.9e	95.0e	31.3e	11.9e	81.6e	95.0e	95.0e	90.1e	20.1e
19	4.9e	17.2e	38.9e	72.7e	95.0e	30.2e	11.9e	83.9e	95.0e	95.0e	82.1e	19.7e
20	4.3e	15.6e	47.2e	68.7e	95.0e	29.2e	11.9e	85.4e	95.0e	95.0e	74.8e	19.4e
21	4.0e	14.2e	53.5e	64.7e	95.0e	28.0e	11.8e	86.5e	95.0e	95.0e	66.3e	19.3e
22	3.6e	13.4e	55.1e	62.6e	95.0e	26.5e	11.7e	88.0e	95.0e	95.0e	57.1e	18.8e
23	3.1e	12.6e	57.1e	61.8e	95.0e	24.8e	11.5e	90.7e	95.0e	95.0e	50.4e	17.9e
24	2.6e	11.5e	59.5e	64.7e	95.0e	22.9e	11.3e	94.8e	95.0e	95.0e	46.1e	16.9e
25	2.4e	10.8e	61.3e	72.1e	95.0e	21.1e	11.1e	95.0e	95.0e	95.0e	43.0e	16.3e
26	2.3e	9.9e	63.2e	82.0e	95.0e	19.6e	11.6e	95.0e	95.0e	95.0e	40.5e	15.9e
27	2.3e	9.0e	66.0e	90.1e	95.0e	18.7e	14.4e	95.0e	95.0e	95.0e	39.2e	15.6e
28	2.2e	8.4e	68.9e	92.9e	95.0e	18.2e	16.6e	95.0e	95.0e	95.0e	38.2e	15.2e
29	1.8e		71.2e	93.3e	95.0e	17.8e	18.3e	95.0e	95.0e	95.0e	37.6e	14.9e
30	1.5e		73.4e	94.9e	95.0e	17.5e	19.1e	95.0e	95.0e	95.0e	36.7e	14.9e
31	1.5e		77.4e		92.3e		22.1e	95.0e		95.0e		14.8e
Mean	4.7	16.4	35.6	82.0	94.9	40.0	14.4	76.3	95.0	95.0	77.2	21.9
Maximum	7.3	32.6	77.4	95.0	95.0	85.2	22.1	95.0	95.0	95.0	95.0	35.4
Minimum	1.5	1.4	5.4	61.8	92.3	17.5	11.1	33.1	95.0	95.0	36.7	14.8
Total	13	40	95	213	254	104	39	204	246	254	200	59

(Total flows in million cubic metres per month)

Annual statistics

Mean : 54.6 (cubic metres per second)
Maximum : 95.0 (cubic metres per second)
Minimum : 1.4 (cubic metres per second)
Total : 1721 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data for this year; all values estimated

River Shebelli at Balcad 1971

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	14.3	7.3	2.5e	4.9	59.9	74.3	64.0	77.7	95.1	95.2	94.0	83.8
2	14.2	6.9	2.7e	4.8	58.0	70.5	67.3	79.3	95.4	95.3	94.1	88.6
3	14.1	6.3	2.7e	4.9	54.7	64.7	66.8	80.7	95.6	93.4	94.0	88.3
4	13.2	6.1	2.7e	5.0	50.8	63.0	67.7	82.2	96.0	90.7	93.9	82.8
5	11.6	5.9	2.5e	5.1	48.4	58.7	66.0	82.5	96.3	86.4	93.8	76.7
6	11.2	5.9	2.5e	5.3	45.9	56.6	66.2	81.8	96.5	84.4	91.7	70.4
7	11.0	5.6	2.4e	5.5	65.5	56.3	70.4	80.8	96.8	83.1	87.3	64.2
8	10.9	5.4	2.3e	5.6	78.3	58.5	68.7	79.6	97.0	79.9	82.1	54.6
9	10.4	5.7	2.4e	5.6	77.7	61.2	69.0	80.0	97.0	77.5	77.6	50.4
10	10.0	5.2	2.4e	5.6	71.2	61.6	70.0	79.6	97.0	75.0	73.2	45.6
11	9.9	5.0	2.5e	6.1	66.0	60.0	70.0	79.6	97.2	72.2	68.1	43.3
12	9.7	4.8	2.5e	7.6	65.1	57.5	68.8	81.2	97.2	70.8	64.8	41.7
13	9.7	4.5	2.4e	13.3	62.9	53.3	65.9	83.8	97.2	69.9	62.3	39.6
14	9.7	4.2	2.5e	14.3	64.6	49.9	63.1	86.1	97.2	70.5	61.4	37.4
15	9.7	4.0	2.7e	20.7	68.3	48.1	60.0	86.8	97.2	72.8	58.3	35.1
16	9.2	3.9	2.9e	27.7	74.8	45.3	57.7	86.6	97.4	75.0	54.5	32.5
17	8.7	3.6	3.1e	25.7	78.5	45.2	57.4	85.7	97.0	77.4	51.3	27.7
18	8.5	3.4	3.2e	23.0	81.3	43.4	61.1	85.0	97.0	80.0	47.8	27.0
19	8.6	3.0	3.3e	26.4	82.4	41.3	65.7	85.6	97.0	83.1	44.8	26.9
20	8.4	3.0	3.4e	32.5	82.5	38.7	67.9	86.6	96.8	85.4	41.1	26.5
21	8.0	3.0	3.6e	36.7	82.9	35.5	69.0	88.6	96.8	88.9	38.4	26.2
22	7.7	3.1	3.8e	43.4	83.9	33.3	70.5	90.1	96.7	97.0	37.0	25.6
23	7.5	2.8	4.0e	51.2	84.7	33.0	72.0	91.1	96.6	102.2	35.7	24.7
24	7.7	2.6	4.0e	56.5	85.4	30.7	74.8	92.2	96.3	106.5	36.2	23.3
25	7.7	2.5	4.1e	60.8	86.1	30.0	76.2	93.0	96.3	106.3	40.6	22.2
26	7.2	2.5	4.3e	64.2	85.7	30.7e	77.2	93.1	96.3	99.7	46.7	21.1
27	7.0	2.5	4.4e	65.5	84.3	32.1e	77.8	93.7	96.5	85.4	52.8	20.1
28	7.4	2.4	4.5e	66.2	84.3	34.8e	79.2	94.1	97.0	86.9	59.3	18.8
29	7.3		4.6e	65.7	82.5	42.9e	78.9	94.0	97.0	89.2	67.0	18.1
30	7.0		4.7e	62.9	78.5	55.4e	78.9	93.7	96.4	92.0	76.6	17.1
31	7.4		4.9e		76.1		78.7	94.9		93.5		16.1
Mean	9.5	4.3	3.2	27.4	72.6	48.9	69.3	86.1	96.7	86.0	64.2	41.2
Maximum	14.3	7.3	4.9	66.2	86.1	74.3	79.2	94.9	97.4	106.5	94.1	88.6
Minimum	7.0	2.4	2.3	4.8	45.9	30.0	57.4	77.7	95.1	69.9	35.7	16.1
Total	25	10	9	71	194	127	185	231	251	230	166	110

(Total flows in million cubic metres per month)

Annual statistics

Mean : 51.1 (cubic metres per second)
Maximum : 106.5 (cubic metres per second)
Minimum : 2.3 (cubic metres per second)
Total : 1611 (million cubic metres)

Data availability

Original values : 329
Estimated values (Flag e) : 36
Missing values (Flag m) : 0

Comments : Original data generally satisfactory

River Shebelli at Balcad 1972

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	15.6	4.9	63.5	5.5	74.7	98.9	39.4	94.6	98.9	96.3	89.3	40.2
2	14.8	4.6	57.4	4.8	79.4	98.9	40.3	95.6	98.9	95.6	85.1	38.3
3	14.0	4.5	41.0	3.8	83.9	98.9	37.5	96.2	98.9	94.2	76.9	36.5
4	12.9	4.5	34.9	2.7	85.6	98.8	34.6	96.8	98.7	92.2	69.8	34.7
5	12.3	4.6	31.2	2.1	85.9	98.6	31.9	97.3	98.5	90.9	66.2	34.0
6	11.7	4.5	28.0	4.0	87.1	98.6	28.0	97.5	98.6	90.7	66.0	33.0
7	10.9	4.4	25.2	10.3	89.5	98.4	27.0	97.5	98.7	90.5	70.3	32.1
8	10.4	4.0	21.2	20.4	90.6	98.4	26.6	97.5	98.7	90.7	78.9	31.2
9	9.9	3.4	18.9	27.2	92.1	98.4	28.0	97.4	98.9	91.3	83.7	31.0
10	9.5	2.9	16.9	27.2	92.9	98.6	36.4	96.5	99.0	90.9	85.9	29.8
11	9.5	2.5	16.4	25.0	93.6	97.5	44.7	95.0	99.1	89.0	88.3	28.7
12	8.9	2.0	15.0	22.7	92.6	91.2	47.3	93.6	99.1	87.4	90.5	29.0
13	8.3	1.6	13.5	21.1	92.1	83.4	47.9	91.3	98.9	87.1	92.0	28.2
14	8.0	1.1	12.6	19.5	92.8	79.2	49.3	90.0	98.9	90.2	92.0	27.1
15	7.7	0.8	11.1	18.2	93.9	74.5	50.8	89.4	98.7	91.6	91.1	25.6
16	7.5	0.8	10.0	17.1	94.6	68.9	52.5	90.7	98.6	91.9	90.2	24.6
17	7.5	0.8	9.5	16.3	95.3	63.0	55.6	92.7	98.4	91.4	90.1	23.3
18	7.4	0.8	9.2	15.5	95.6	59.2	59.8	94.3	98.5	92.1	90.8	22.2
19	7.5	0.8	9.5	14.6	96.1	56.7	64.2	95.7	98.6	93.1	90.7	21.2
20	7.2	0.8	10.6	13.7	97.0	54.3	68.1	96.5	98.5	94.9	87.1	20.1
21	7.0	1.1	12.6	12.6	97.5	51.8	71.0	97.3	98.3	95.5	80.3	19.4
22	6.9	3.2	11.6	11.8	97.5	47.1	73.1	97.5	98.4	95.2	71.7	19.1
23	6.6	6.5	11.4	11.7	97.5	44.8	75.3	97.9	98.1	95.8	65.0	18.5
24	6.3	14.7	12.2	12.7	97.5	42.6	77.7	98.1	97.6	95.6	59.6	17.9
25	6.3	24.9	13.3	21.3	97.9	40.3	80.6	98.4	97.7	94.7	55.5	17.2
26	6.3	37.6	12.1	33.9	98.0	36.1	83.1	98.6	97.6	92.2	51.9	16.3
27	6.3	47.0	10.4	49.6	98.2	34.0	85.2	98.6	97.4	89.8	48.8	14.7
28	6.3	50.5	8.9	63.5	98.5	32.1	87.4	98.6	97.2	86.9	46.3	14.1
29	6.3	61.1	8.0	68.4	98.9	32.3	89.3	98.6	96.9	86.5	44.0	13.3
30	5.9		7.4	71.4	98.9	36.7	91.8	98.6	96.6	87.3	42.3	12.8
31	5.5		6.5		98.9		93.3	98.8		88.4		12.3
Mean	8.7	10.4	18.4	21.6	93.0	70.4	57.3	96.0	98.4	91.6	74.7	24.7
Maximum	15.6	61.1	63.5	71.4	98.9	98.9	93.3	98.8	99.1	96.3	92.0	40.2
Minimum	5.5	0.8	6.5	2.1	74.7	32.1	26.6	89.4	96.6	86.5	42.3	12.3
Total	23	26	49	56	249	182	154	257	255	245	194	66

(Total flows in million cubic metres per month)

Annual statistics

Mean : 55.6 (cubic metres per second)
Maximum : 99.1 (cubic metres per second)
Minimum : 0.8 (cubic metres per second)
Total : 1757 (million cubic metres)

Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments : Good quality data

River Shebelli at Balcad 1973

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10.8	2.5	4.2	0.9	0.0e	56.9	15.5	43.1	86.5	85.2	88.4e	10.0e
2	10.8	2.3	4.2	0.8	0.0e	64.3	15.7	53.0	87.0	84.1	87.3e	9.7e
3	10.8	2.1	3.4	0.7	0.9	67.5	15.4	58.9	86.8	83.4	85.1e	9.2e
4	10.7	1.9	3.0	0.5	8.4	69.3	11.4	61.9	86.8	83.0	81.6e	8.7e
5	10.4	1.6	2.7	0.4e	26.3	69.1	10.6	62.9	87.1	82.7	75.7e	8.3e
6	10.0	1.4	1.1	0.4e	35.8	65.2	10.2	63.0	87.7	81.5	67.7e	8.1e
7	9.4	1.2	0.5	0.3e	46.3	56.5	9.4	62.4	88.5	79.8	59.0e	7.8e
8	8.8	1.1	0.5e	0.3e	51.9	48.9	9.2	60.6	89.1	77.5	51.4e	7.4e
9	8.7	1.0	0.4e	0.2e	55.2	42.9	7.9	57.5	89.4	75.2	48.1e	7.1e
10	8.4	1.0	0.4e	0.2e	58.4	37.5	7.1	54.0	89.9	73.2	51.2e	6.9e
11	7.9	0.9	0.4e	0.1e	64.1	33.4	6.6	50.7	90.2	70.9	45.9e	6.6e
12	7.0	0.8	0.5e	0.1e	62.6	31.1	5.8	48.1	89.6	67.5	38.5e	6.3e
13	6.9	0.8	0.6e	0.0e	48.7	29.1	5.9	47.7	88.3	63.9	33.4e	6.2e
14	6.9	0.8	0.6e	0.0e	33.4	25.8	7.8	48.2	87.5	59.7	29.5e	6.1e
15	6.8	0.8	0.5e	0.0e	24.0	22.2	12.4	48.8	87.6	56.6	27.1e	5.8e
16	6.4	0.8	0.4e	0.0e	18.8	18.4	13.5	51.7	87.9	57.4	25.2e	5.6e
17	6.1	0.7	0.5	0.0e	15.3	17.7	13.5	57.8	88.1	62.9	23.6e	5.6e
18	5.8	0.5	1.2	0.0e	18.5	17.9	13.1	64.2	88.4	71.8	22.0e	5.4e
19	5.7	0.5e	2.4	0.0e	24.9	18.1	12.2	69.3	88.6	78.9	20.4e	5.1e
20	5.6	0.5e	2.4	0.0e	30.2	18.8	11.6	72.4	89.1	84.4	18.8e	4.8e
21	5.2	0.5e	2.0	0.0e	31.5	18.8	11.1	74.6	89.2	87.8	17.7e	4.6e
22	4.5	0.6e	2.1	0.0e	33.3	18.8	10.8	75.4	88.7	89.4	16.7e	4.5e
23	4.3	0.6e	2.1	0.0e	34.7	18.8	10.5	75.8	88.2	90.5	15.7e	4.4e
24	3.9	0.6e	2.1	0.0e	37.8	18.4	10.4	77.0	87.8	91.8	14.8e	4.3e
25	3.6	0.6e	2.0	0.0e	43.6	17.2	10.7	78.7	87.3	93.2	14.1e	4.2e
26	3.4	0.5	1.7	0.0e	53.3	16.9	13.1	80.5	87.0	93.9	13.3e	4.0e
27	3.3	1.0	1.3	0.0e	58.2	16.5	18.9	81.4	87.1	94.3	12.5e	3.9e
28	2.9	3.8	1.0	0.0e	56.6	16.3	21.2	82.5	87.4	94.5	11.8e	3.8e
29	2.8		1.0	0.0e	54.7	16.2	23.2	84.0	87.1	93.2	11.1e	3.8e
30	2.8		1.0	0.0e	53.1	15.9	27.1	85.4	86.4	91.0	10.4e	3.7e
31	2.6		1.0		52.5		33.2	86.1		89.2		3.6e
Mean	6.6	1.1	1.5	0.2	36.5	32.8	13.1	65.1	88.0	80.3	37.3	6.0
Maximum	10.8	3.8	4.2	0.9	64.1	69.3	33.2	86.1	90.2	94.5	88.4	10.0
Minimum	2.6	0.5	0.4	0.0	0.0	15.9	5.8	43.1	86.4	56.6	10.4	3.6
Total	18	3	4	0	98	85	35	174	228	215	97	16

(Total flows in million cubic metres per month)

Annual statistics

Mean : 30.8 (cubic metres per second)
Maximum : 94.5 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 973 (million cubic metres)

Data availability

Original values : 260
Estimated values (Flag e) : 105
Missing values (Flag m) : 0

Comments : No original data available for November/December. River often below staff gauge February-April

River Shebelli at Balcad 1974

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.5e	2.3e	0.0e	0.0e	29.3	65.9	51.7	68.2e	88.1e	95.0e	38.6e	15.7e
2	3.4e	2.1e	0.0e	0.0e	26.5	59.9	49.7	63.8e	88.4e	95.0e	37.1e	14.8e
3	3.3e	1.9e	0.0e	0.0e	24.0	51.3	44.1	60.0e	89.1e	91.5e	35.8e	13.3e
4	3.2e	1.8e	0.0e	0.0e	22.0	43.3	40.9	57.4e	90.1e	91.3e	34.7e	12.0e
5	3.0e	1.7e	0.0e	0.0e	19.9	38.7	38.5	56.4e	90.7e	93.1e	32.6e	11.7e
6	2.9e	1.6e	0.0e	1.1e	18.0	34.4	37.5	58.1e	91.3e	94.4e	30.9e	11.1e
7	2.9e	1.4e	0.0e	24.6e	15.9	28.6	36.5	62.9e	91.9e	95.0e	29.8e	10.6e
8	2.8e	1.3e	0.0e	42.0e	14.2	25.8	36.9	72.9e	92.6e	95.0e	28.8e	10.1e
9	2.8e	1.2e	0.0e	57.3e	13.4	25.5	36.2	77.8e	93.1e	95.0e	26.9e	9.7e
10	2.7e	1.1e	0.0e	68.4	12.7	39.0	35.1	82.0e	93.7e	95.0e	24.6e	9.4e
11	2.7e	1.0e	0.0e	73.2	12.6	60.2	36.4	84.3e	94.5e	95.0e	24.4e	8.9e
12	2.6e	0.9e	0.0e	76.6	15.3	72.8	36.6	85.2e	95.0e	95.0e	24.8e	8.6e
13	2.6e	0.8e	0.0e	78.9	19.6	76.8	37.0	86.0e	95.0e	95.0e	24.4e	8.2e
14	2.5e	0.7e	0.0e	80.1	22.0	79.6	35.5	85.8e	95.0e	93.8e	23.7e	7.8e
15	2.4e	0.6e	0.0e	80.8	20.6	77.9	33.8	84.0e	95.0e	86.6e	23.6e	7.7e
16	2.4e	0.5e	0.0e	80.5	18.8	74.1	32.4	81.1e	95.0e	80.9e	23.9e	7.6e
17	2.3e	0.4e	0.0e	80.1	18.1	67.8	33.1	82.1e	95.0e	78.4e	25.7e	7.4e
18	2.3e	0.3e	0.0e	78.5	19.4	67.4	46.7	83.3e	95.0e	72.5e	26.6e	7.2e
19	2.3e	0.1e	0.0e	73.6	28.2	67.9	62.3	85.2e	95.0e	69.1e	26.3e	7.0e
20	2.3e	0.0e	0.0e	68.0	44.3	67.6	68.7	86.5e	95.0e	67.8e	25.1e	6.8e
21	2.2e	0.0e	0.0e	61.6	60.6	62.8	76.3	88.0e	95.0e	65.6e	23.6e	6.3e
22	2.3e	0.0e	0.0e	57.0	70.4	57.2	79.9	89.8e	95.0e	62.7e	22.6e	5.8e
23	2.3e	0.0e	0.0e	55.5	76.2	52.7	82.5	91.3e	95.0e	59.6e	22.6e	5.5e
24	2.3e	0.0e	0.0e	54.9	78.3	48.5	84.7	92.6e	95.0e	57.1e	25.3e	5.4e
25	2.3e	0.0e	0.0e	51.5	79.3	45.4	85.9	93.8e	95.0e	54.5e	27.1e	5.2e
26	2.4e	0.0e	0.0e	47.7	81.2	47.2	86.7	94.8e	95.0e	50.9e	26.0e	5.0e
27	2.4e	0.0e	0.0e	43.9	83.0	48.7	86.1	95.0e	95.0e	47.4e	23.7e	4.7e
28	2.6e	0.0e	0.0e	39.8	84.2	53.4	84.9	94.1e	95.0e	45.8e	20.3e	4.6e
29	2.7e		0.0e	36.2	84.6	58.3	82.2	92.6e	95.0e	44.2e	16.8e	4.5e
30	2.5e		0.0e	32.8	83.4	58.0	77.0	91.2e	95.0e	42.3e	16.2e	4.7e
31	2.4e		0.0e		79.7		72.0	89.0e		40.3e		5.1e
Mean	2.6	0.8	0.0	48.2	41.1	55.2	55.7	81.1	93.6	75.6	26.4	8.1
Maximum	3.5	2.3	0.0	80.8	84.6	79.6	86.7	95.0	95.0	95.0	38.6	15.7
Minimum	2.2	0.0	0.0	0.0	12.6	25.5	32.4	56.4	88.1	40.3	16.2	4.5
Total	7	2	0	125	110	143	149	217	243	203	68	22

(Total flows in million cubic metres per month)

Annual statistics

Mean : 40.9 (cubic metres per second)
Maximum : 95.0 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1289 (million cubic metres)

Data availability

Original values : 113
Estimated values (Flag e) : 252
Missing values (Flag m) : 0

Comments : Original data only available between April and July

River Shebelli at Balcad 1975

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	5.4e	0.7e	0.0e	0.0e	56.1e	88.3e	22.1e	84.3e	95.0e	95.0e	80.5e	20.9e
2	5.7e	0.7e	0.0e	0.0e	44.2e	90.7e	19.0e	87.1e	95.0e	95.0e	80.9e	19.4e
3	5.7e	0.7e	0.0e	0.0e	30.7e	92.9e	16.6e	87.3e	95.0e	95.0e	75.6e	17.8e
4	5.3e	0.7e	0.0e	0.0e	34.8e	92.7e	15.1e	86.6e	95.0e	95.0e	67.0e	17.2e
5	5.2e	0.7e	0.0e	0.0e	40.0e	91.4e	14.5e	86.5e	95.0e	95.0e	61.7e	16.3e
6	4.8e	0.6e	0.0e	0.0e	45.5e	88.3e	16.4e	87.0e	95.0e	95.0e	59.0e	14.7e
7	4.3e	0.4e	0.0e	0.0e	53.7e	82.5e	25.2e	87.2e	95.0e	95.0e	53.2e	13.7e
8	3.8e	0.3e	0.0e	0.0e	58.7e	78.5e	35.8e	88.5e	95.0e	95.0e	48.0e	13.4e
9	3.2e	0.2e	0.0e	0.0e	51.6e	78.2e	38.1e	91.2e	95.0e	95.0e	45.3e	12.8e
10	3.1e	0.1e	0.0e	0.0e	45.2e	82.2e	36.5e	92.5e	95.0e	95.0e	43.1e	12.3e
11	3.0e	0.0e	0.0e	0.0e	40.4e	85.2e	35.5e	93.3e	95.0e	95.0e	40.3e	12.3e
12	2.9e	0.0e	0.0e	0.0e	37.5e	80.8e	34.8e	94.5e	95.0e	95.0e	36.9e	12.8e
13	2.8e	0.0e	0.0e	0.0e	35.9e	72.2e	36.3e	95.0e	95.0e	95.0e	34.1e	12.5e
14	2.8e	0.0e	0.0e	0.0e	38.2e	61.2e	39.2e	95.0e	95.0e	95.0e	32.8e	11.8e
15	2.7e	0.0e	0.0e	0.0e	48.8e	51.4e	42.2e	95.0e	95.0e	95.0e	31.7e	11.2e
16	2.6e	0.0e	0.0e	0.0e	58.9e	41.9e	42.4e	94.8e	95.0e	95.0e	34.2e	10.6e
17	2.4e	0.0e	0.0e	0.0e	59.8e	33.3e	39.8e	95.0e	95.0e	95.0e	42.2e	10.1e
18	2.0e	0.0e	0.0e	0.0e	54.7e	29.2e	36.9e	95.0e	95.0e	95.0e	45.8e	9.8e
19	1.5e	0.0e	0.0e	0.0e	47.9e	26.9e	35.0e	95.0e	95.0e	92.9e	42.2e	9.5e
20	1.3e	0.0e	0.0e	0.0e	43.6e	24.6e	36.0e	95.0e	95.0e	89.8e	35.2e	9.3e
21	1.2e	0.0e	0.0e	10.7e	42.3e	22.7e	41.0e	95.0e	95.0e	87.7e	29.5e	8.9e
22	1.2e	0.0e	0.0e	33.6e	42.6e	20.3e	48.2e	95.0e	95.0e	85.7e	28.2e	8.5e
23	1.1e	0.0e	0.0e	26.0e	47.5e	18.5e	56.1e	95.0e	95.0e	79.8e	28.3e	7.7e
24	1.0e	0.0e	0.0e	12.1e	62.5e	17.8e	62.1e	95.0e	95.0e	72.7e	27.4e	7.1e
25	1.0e	0.0e	0.0e	19.9e	75.3e	17.6e	63.5e	95.0e	95.0e	68.0e	24.2e	6.8e
26	1.0e	0.0e	0.0e	46.4e	82.2e	17.7e	64.0e	95.0e	95.0e	66.5e	21.6e	6.3e
27	0.9e	0.0e	0.0e	60.7e	86.4e	19.3e	68.5e	95.0e	95.0e	68.2e	20.2e	5.9e
28	0.9e	0.0e	0.0e	61.0e	89.2e	21.4e	74.5e	95.0e	95.0e	72.5e	19.2e	5.6e
29	0.8e		0.0e	59.7e	89.9e	22.8e	78.0e	95.0e	95.0e	72.7e	19.1e	5.2e
30	0.8e		0.0e	59.3e	89.1e	23.2e	79.9e	95.0e	95.0e	70.2e	20.1e	4.8e
31	0.7e		0.0e		88.1e		80.7e	95.0e		74.4e		4.3e
Mean	2.6	0.2	0.0	13.0	55.5	52.5	43.0	92.6	95.0	87.5	40.9	10.9
Maximum	5.7	0.7	0.0	61.0	89.9	92.9	80.7	95.0	95.0	95.0	80.9	20.9
Minimum	0.7	0.0	0.0	0.0	30.7	17.6	14.5	84.3	95.0	66.5	19.1	4.3
Total	7	0	0	34	149	136	115	248	246	234	106	29

(Total flows in million cubic metres per month)

Annual statistics

Mean : 41.4 (cubic metres per second)
Maximum : 95.0 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1305 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data for this year; all values estimated

River Shebelli at Balcad 1976

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.9e	0.0e	0.0e	0.0e	81.6	91.9	64.2	81.5	95.0	94.0	39.8	68.5
2	3.4e	0.0e	0.0e	0.0e	79.4	91.9	60.3	81.0	95.4	93.8	39.5	66.3
3	3.1e	0.0e	0.0e	0.0e	76.0	91.9	54.3	80.9	95.6	93.7	39.3	64.2
4	2.9e	0.0e	0.0e	0.0e	73.2	91.9	52.3	80.9	96.2	93.6	39.2	62.1
5	2.9e	0.0e	0.0e	0.0e	69.4	91.7	50.8	80.7	96.9	93.3	39.0	59.4
6	2.8e	0.0e	0.0e	0.0e	64.3	91.4	49.5	79.8	97.5	93.0	38.8	53.1
7	2.6e	0.0e	0.0e	0.0e	61.0	90.8	48.7	78.5	97.3	91.6	37.8	50.8
8	2.4e	0.0e	0.0e	0.0e	58.1	90.1	48.3	77.6	97.3	89.7	35.2	48.7
9	2.2e	0.0e	0.0e	0.0e	59.6	89.8	47.7	76.8	97.3	86.6	39.0	45.3
10	1.8e	0.0e	0.0e	0.0e	62.1	89.5	47.3	77.4	97.1	82.4	44.1	41.1
11	1.5e	0.0e	0.0e	0.0e	65.0	89.6	46.9	79.4	97.1	78.5	51.4	38.3
12	1.3e	0.0e	0.0e	0.0e	71.1	89.3	46.1	81.0	97.2	76.5	61.2	36.4
13	1.1e	0.0e	0.0e	0.0e	76.9	89.1	44.8	82.8	97.2	75.2	65.6	34.1
14	0.9e	0.0e	0.0e	0.0e	81.7	88.9	43.4	84.0	96.9	73.5	66.7	32.2
15	0.7e	0.0e	0.0e	0.0e	86.2	88.4	42.0	85.5	96.7	71.7	65.9	31.4
16	0.4e	0.0e	0.0e	0.0e	89.5	88.4	40.3	86.6	96.5	69.5	66.4	30.6
17	0.0e	0.0e	0.0e	0.0e	90.4	88.6	39.7	87.1	96.5	66.5	69.0	28.4e
18	0.0e	0.0e	0.0e	4.8e	90.3	88.9	40.7	91.1	96.2	65.2	71.8	28.1e
19	0.0e	0.0e	0.0e	33.8	90.0	89.1	46.5	94.2	95.8	63.2	74.2	26.6e
20	0.0e	0.0e	0.0e	52.1	90.2	89.1	53.2	95.0	95.6	60.5	73.3	24.4e
21	0.0e	0.0e	0.0e	67.0	91.1	88.4	60.7	95.4	95.2	57.0	70.7	24.2e
22	0.0e	0.0e	0.0e	75.8	91.7	83.1	65.1	95.0	94.9	52.3	68.9	23.5e
23	0.0e	0.0e	0.0e	79.4	92.2	72.8	67.1	94.7	94.9	48.9	70.1	23.1e
24	0.0e	0.0e	0.0e	81.7	92.4	67.9	70.4	94.8	94.9	47.4	71.7	22.2e
25	0.0e	0.0e	0.0e	83.1	92.4	65.2	76.2	96.8	94.7	46.8	73.9	21.2e
26	0.0e	0.0e	0.0e	83.0	92.1	64.0	76.3	95.8	94.8	46.2	75.5	20.0e
27	0.0e	0.0e	0.0e	82.5	91.9	64.7	76.7	95.9	94.7	45.4	75.2	18.7e
28	0.0e	0.0e	0.0e	82.2	92.1	65.7	77.6	95.5	94.5	44.0	73.8	16.5e
29	0.0e	0.0e	0.0e	82.8	92.1	66.1	78.6	95.2	94.8	43.2	71.7	14.9e
30	0.0e		0.0e	83.1	91.9	66.5	79.0	94.7	94.1	41.9	70.1	14.1e
31	0.0e		0.0e		91.9		80.0	95.0e		40.4		17.0e
Mean	1.1	0.0	0.0	29.7	81.5	83.5	57.2	87.4	96.0	68.6	59.3	35.0
Maximum	3.9	0.0	0.0	83.1	92.4	91.9	80.0	96.8	97.5	94.0	75.5	68.5
Minimum	0.0	0.0	0.0	0.0	58.1	64.0	39.7	76.8	94.1	40.4	35.2	14.1
Total	3	0	0	77	218	216	153	234	249	184	154	94

(Total flows in million cubic metres per month)

Annual statistics

Mean : 50.0 (cubic metres per second)
Maximum : 97.5 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1582 (million cubic metres)

Data availability

Original values : 241
Estimated values (Flag e) : 125
Missing values (Flag m) : 0

Comments : Reasonable original data resumed in April

River Shebelli at Balcad 1977

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	16.2e	10.1e	10.8e	9.3e	96.7e	82.3	32.9e	96.5	97.5e	87.9	94.5	98.7
2	15.4e	10.1e	9.9e	10.1e	96.8e	68.9	36.0e	96.5	97.5e	87.9	94.8	98.9
3	14.5e	10.1e	11.7e	10.5e	96.9e	65.4	38.8e	96.9	97.5e	87.9	94.9	99.2
4	13.7e	9.9e	19.9e	10.1e	97.0e	63.8	38.4e	96.8	97.5e	87.9	94.9	99.3
5	13.6e	8.6e	23.8e	10.3e	97.2e	64.6	40.0e	96.3	97.5e	88.1	94.9	99.3
6	12.8e	8.3e	25.5e	13.5e	97.3e	66.7	42.0e	95.4	97.5e	90.2	94.7	99.3
7	12.8e	7.7e	25.1e	19.4e	97.4e	67.7	42.7e	92.1	97.5e	90.5	94.4	99.3
8	12.8e	7.5e	23.8e	21.1e	97.5e	65.7	43.5e	86.9	97.5e	90.7	94.5	99.3
9	12.8e	7.0e	20.2e	20.9e	97.6e	62.2	45.2e	84.4	97.5e	90.5	94.5	99.3
10	12.8e	8.2e	17.9e	18.7e	97.8e	60.1	47.2e	86.2	97.5e	90.7	94.4	99.3
11	12.8e	15.8e	18.9e	19.1e	97.9e	58.5	49.5e	84.1	97.5e	90.7	94.4	98.7
12	12.8e	16.4e	17.3e	18.4e	98.0e	57.2	52.8e	85.5	97.5e	90.9	94.6	98.6
13	12.8e	15.2e	15.6e	18.8e	98.1e	60.1	53.7e	79.6	97.5e	92.2	94.2	98.6
14	12.7e	14.4e	15.0e	31.2e	98.2e	62.2	51.9e	79.5	97.5e	92.6	93.1	98.6
15	12.3e	14.2e	13.7e	51.7e	98.4e	65.4	50.3e	85.8	97.5e	92.6	92.6	98.6
16	11.9e	13.5e	12.8e	69.8e	98.5e	66.9	50.0e	88.0	97.5e	92.6	92.6	98.6
17	11.9e	12.5e	12.6e	81.3e	98.6	66.1	52.6e	90.9	97.5e	92.6	92.6	98.6
18	11.9e	15.3e	12.4e	89.4e	97.9	66.3	57.5e	92.9	97.5e	92.7	92.6	98.6
19	11.8e	16.2e	11.1e	91.8e	97.3	65.5	62.1e	94.4	97.5e	92.9	92.6	98.1
20	11.2e	16.2e	10.7e	92.4e	97.6	63.8	68.2e	95.2	97.5e	94.1	92.6	91.7
21	11.2e	15.6e	10.1e	94.2e	97.5	62.6	77.3e	96.7	97.5e	93.6	92.6	86.9
22	11.2e	15.6e	9.2e	94.6e	98.0	58.6	87.2e	97.1	97.5e	94.4	92.6	75.8
23	11.0e	15.9e	8.0e	95.3e	98.4	51.1	91.5e	97.2	97.5e	94.5	92.8	66.6
24	10.2e	15.6e	6.4e	95.7e	98.5	43.5e	92.1e	97.2	97.5e	94.5	95.9	65.7
25	10.0e	13.8e	5.2e	96.0e	98.4	40.0	92.6e	97.2	97.5e	93.9	97.2	64.6
26	9.4e	13.5e	4.1e	96.1e	98.4	36.7	93.1e	97.2	97.5e	93.9	97.7	61.6
27	9.3e	12.1e	4.6e	96.2e	98.4	35.7e	93.8e	97.2	97.5e	94.4	98.1	56.5
28	9.4e	10.4e	5.5e	96.3e	98.4	34.5	94.4e	97.2	97.5e	94.6	98.3	54.8
29	10.1e		8.9e	96.4e	98.6	32.4	94.8e	97.2	94.2e	94.6	98.4	54.1
30	10.1e		9.3e	96.6e	98.8	32.0	95.0e	97.4	91.0e	94.6	98.5	46.2
31	10.1e		8.6e		96.4		95.0e	97.5		94.5		45.4
Mean	12.0	12.5	13.2	55.5	97.8	57.5	63.3	92.7	97.2	92.1	94.7	85.5
Maximum	16.2	16.4	25.5	96.6	98.8	82.3	95.0	97.5	97.5	94.6	98.5	99.3
Minimum	9.3	7.0	4.1	9.3	96.4	32.0	32.9	79.5	91.0	87.9	92.6	45.4
Total	32	30	35	144	262	149	170	248	252	247	245	229

(Total flows in million cubic metres per month)

Annual statistics

Mean : 64.8 (cubic metres per second)
Maximum : 99.3 (cubic metres per second)
Minimum : 4.1 (cubic metres per second)
Total : 2043 (million cubic metres)

Data availability

Original values : 166
Estimated values (Flag e) : 199
Missing values (Flag m) : 0

Comments : Original data limited; quality may be dubious, particularly as data availability at other stations relatively poor

River Shebelli at Balcad 1978

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	43.9e	19.6e	15.6	54.0	56.1	56.5	18.8	86.4	100.2	95.0	98.0	51.0
2	42.4e	18.6e	16.9	52.6	72.9	55.6	18.8	89.0	100.2	95.0	98.9	49.8
3	41.0e	17.7e	16.9	50.9	79.4	55.6	18.8	90.1	100.2	94.7	99.1	46.9
4	39.5e	17.3e	15.5	46.7	79.8	55.5	18.4	91.2	100.2	93.8	99.9	45.8
5	38.1e	17.3e	15.3	44.6	72.7	54.1	17.8e	92.4	99.0	93.1	100.1	44.8
6	35.3e	17.4e	15.3	43.5	70.2	52.1	17.5e	93.5	97.8	92.7	100.2	42.3
7	34.3e	17.6e	15.3	40.9	67.0	49.5	17.2e	93.7	97.8	92.6	100.2	42.9
8	33.5e	17.5e	16.6	39.8	62.9	42.4	17.2e	94.7	97.8	92.7	100.2	42.5
9	32.4e	17.3e	34.7	38.9	59.1	41.4	17.8e	95.4	97.7	93.1	100.2	42.4
10	32.3e	17.2e	49.0	38.8	60.9	38.2	18.5e	96.1	97.4	93.6	100.6	42.4
11	32.6e	17.2e	52.9	37.8	64.9	37.9	18.8e	96.9	97.3	94.2	100.6	44.8
12	32.8e	17.0e	60.3	37.5	68.1	37.4	18.6e	97.7	97.3	94.3	100.6	45.5
13	32.2e	16.8e	64.8	37.5	68.5	36.1	18.1e	97.9	97.0	94.3	100.6	44.6
14	31.4e	16.6e	64.4	36.8	70.8	35.0	17.9e	98.9	96.5	94.9	100.7	43.6
15	30.2e	16.4e	62.3	37.4	78.0	31.5	18.4	99.0	96.0	94.8	100.8	42.6
16	28.7e	16.2e	64.2	43.8	93.5	28.1	18.5	99.0	95.9	94.9	100.5	40.9
17	27.6e	16.1e	68.3	48.4	96.9	26.8	19.0	99.0	95.7	95.0	98.9	39.3
18	27.4e	16.1e	85.6	47.7	95.6	26.8	26.9	99.0	95.4	95.0	93.7	38.3
19	27.3e	15.9e	87.2	47.6	95.4	26.8	38.5	99.4	95.2	95.1	87.1	37.4
20	26.9e	15.7e	86.2	47.0	95.2	26.8	48.8	99.4	95.2	96.0	81.8	36.3
21	26.4e	15.5e	86.5	45.1	94.5	26.6	52.4	99.4	95.2	96.1	68.7	34.0
22	25.1e	15.4e	86.2	43.2	95.4	24.3	57.7	99.4	95.2	96.1	67.3	30.9
23	24.0e	15.4e	84.7	41.2	95.4	22.5	59.7	99.4	95.4	96.1	65.6	29.1
24	23.2e	15.4e	82.3	40.0	95.4	20.9	60.8	99.5	95.4	96.1	61.3	28.2
25	22.2e	15.4e	74.9	43.8	95.2	20.5	63.1	100.1	95.4	96.0	59.6	27.6
26	21.7e	15.5e	70.2	46.7	93.1	20.5	66.4	100.2	95.4	96.5	55.9	26.9
27	21.3e	15.6e	66.4	47.2	90.8	20.5	68.1	100.2	95.4	96.6	54.2	26.7
28	20.6e	15.5e	64.9	47.7	88.6	20.0	71.9	100.2	95.0	96.6	52.7	25.8
29	20.5e		63.3	49.0	88.4	18.9	75.5	100.2	95.0	96.8	51.8	24.3
30	20.8e		60.1	49.5	84.8	18.8	79.3	100.2	95.0	96.6	51.9	24.5
31	20.4e		59.3		67.6		81.9	100.2		96.7		24.1
Mean	29.5	16.6	55.0	44.2	80.6	34.3	37.5	97.0	96.7	95.0	85.0	37.6
Maximum	43.9	19.6	87.2	54.0	96.9	56.5	81.9	100.2	100.2	96.8	100.8	51.0
Minimum	20.4	15.4	15.3	36.8	56.1	18.8	17.2	86.4	95.0	92.6	51.8	24.1
Total	79	40	147	115	216	89	100	260	251	254	220	101

(Total flows in million cubic metres per month)

Annual statistics

Mean : 59.4 (cubic metres per second)
Maximum : 100.8 (cubic metres per second)
Minimum : 15.3 (cubic metres per second)
Total : 1872 (million cubic metres)

Data availability

Original values : 296
Estimated values (Flag e) : 69
Missing values (Flag m) : 0

Comments : Some doubtful data, but data retained as other stations also poor

River Shebelli at Balcad 1979

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	23.5	14.9	33.4	75.1	68.4	92.5	63.0	52.4	101.2	47.8	81.3	18.1e
2	22.9	15.4	35.0	74.6	65.3	97.2	60.8	52.6	100.1	49.7	85.0	17.0e
3	22.6	25.3	42.1	79.7	60.5	99.1	58.3	55.5	94.6	53.8	86.1	16.3e
4	22.3	33.4	49.9	88.9	57.8	99.6	56.9	63.7	87.4	57.0	86.1	15.5e
5	22.4	37.0	53.3	88.4	53.0	99.7	55.0	65.6	81.5	58.6	85.7	14.7e
6	22.8	36.7	53.8	77.0	52.5	100.0	53.9	70.2	76.7	61.8	85.6	14.1e
7	23.5	36.8	51.2	69.4	52.4	101.2	52.0	72.2	68.9	66.4	84.8	13.9e
8	23.8	46.3	48.4	59.8	51.8	100.5	49.8	76.0	59.7	67.8	84.4	13.5e
9	22.9	63.2	52.1	55.6	50.6	100.4	48.0	84.8	56.8	64.0	80.6	13.5e
10	21.9	73.4	44.0	59.9	49.9	100.8	46.1	86.6	54.6	60.6	75.7	14.3e
11	21.3	78.4	41.1	69.7	47.4	100.9	43.9	90.1	52.6	59.1	57.7	13.9e
12	20.9	81.2	35.4	73.4	44.2	100.9	43.0	90.8	50.9	58.3	53.9	12.8e
13	20.3	81.6	33.2	72.9	43.2	100.9	40.6	85.8	48.9	56.0	51.2	12.1e
14	20.0	80.5	31.6	71.9	42.1	100.9	39.3	83.1	47.5	59.1	47.2	11.8e
15	19.6	77.6	30.5	73.7	38.1	100.9	38.5	81.0	45.5	59.2	44.7	11.6e
16	19.2	70.0	29.1	74.0	35.3	100.8	37.0	79.9	47.4	57.2	42.9	11.2e
17	19.0	63.8	26.2	70.0	33.6	99.3	34.9	81.2	49.0	54.2	41.0	10.9e
18	18.6	58.9	24.9	60.4	31.5	96.4	34.0	86.3	51.9	51.0	39.5	10.9e
19	18.1	54.4	24.1	54.3	34.4	91.9	33.7	89.3	50.7	48.8	36.6	10.8e
20	18.1	50.0	23.0	54.5	52.3	89.6	34.7	91.3	49.2	45.1	36.0	10.6e
21	17.9	47.0	22.9	54.8	72.8	87.4	37.4	92.8	50.4	43.5	33.8	10.4e
22	17.4	41.9	20.7	60.8	83.6	86.6	42.8	94.7	51.8	40.5	27.9	10.1e
23	17.2	40.4	19.5	63.1	90.4	84.6	44.9	96.4	55.8	39.5	25.7	10.0e
24	16.6	38.7	18.6	62.5	93.9	85.0	60.0	97.5	62.7	44.3	25.2	9.9e
25	16.5	37.2	17.7	64.0	93.9	85.3	63.3	98.4	62.6	58.4	24.9	9.8e
26	16.5	35.7	18.5	69.7	97.1	83.9	64.3	100.4	60.2	65.0	24.0	9.6e
27	16.2	34.7	41.2	72.1	98.1	80.5	62.0	100.8	56.8	62.4	21.4	9.3e
28	15.8	33.4	54.8	71.8	99.5	78.1	60.6	101.2	54.4	59.3	21.8	9.0e
29	15.5		64.5	68.8	95.9	75.8	56.3	101.6	49.0	57.0	21.3	8.9e
30	15.0		70.0	68.4	93.8	66.0	54.1	101.6	48.4	61.2	19.7e	8.8e
31	14.6		74.7		90.7		52.6	101.4		71.4		8.5e
Mean	19.5	49.6	38.2	68.6	63.7	92.9	49.1	84.7	60.9	56.1	51.1	12.0
Maximum	23.8	81.6	74.7	88.9	99.5	101.2	64.3	101.6	101.2	71.4	86.1	18.1
Minimum	14.6	14.9	17.7	54.3	31.5	66.0	33.7	52.4	45.5	39.5	19.7	8.5
Total	52	120	102	178	171	241	131	227	158	150	132	32

(Total flows in million cubic metres per month)

Annual statistics

Mean : 53.7 (cubic metres per second)
Maximum : 101.6 (cubic metres per second)
Minimum : 8.5 (cubic metres per second)
Total : 1694 (million cubic metres)

Data availability

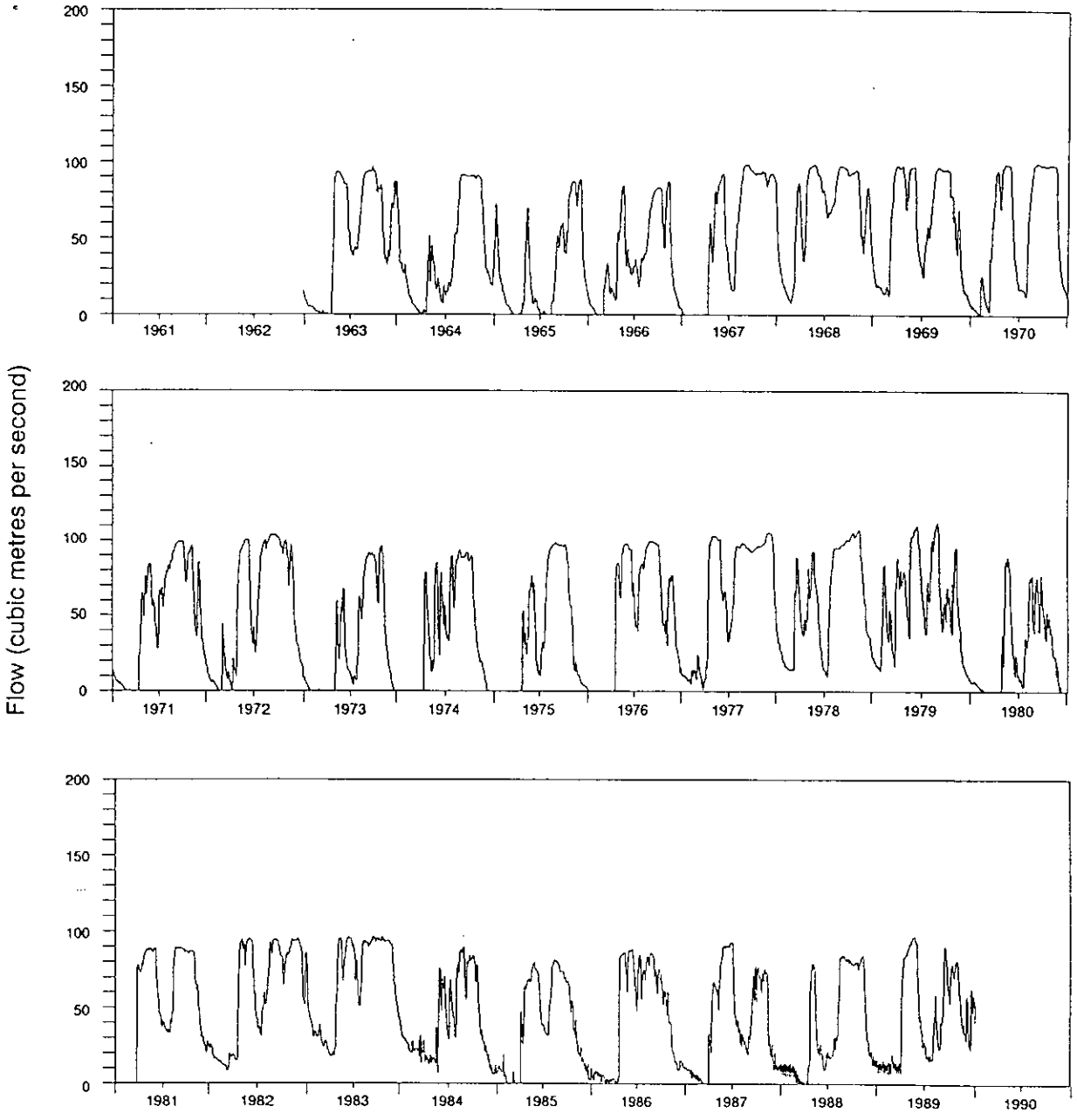
Original values : 333
Estimated values (Flag e) : 32
Missing values (Flag m) : 0

Comments : Data quality somewhat uncertain due to limited availability of good data for other stations

AFGOI

1963 - 1989

River Shebelli: Daily mean flows for Afgoi
for the period 1963 - 1989



River Shebelli at Afgoi 1963

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	15.5e	4.6e	1.8e	0.8e	89.1e	88.7	43.9	53.6	93.2	93.7	54.6	61.2
2	14.8e	5.0e	1.7e	0.6e	89.6e	88.5	42.2	54.5	93.4	93.3	54.4	64.6
3	14.0e	5.0e	1.5e	0.3e	90.0	87.8	41.6	55.8	93.4	92.5	52.1	66.6
4	13.3e	4.8e	1.1e	0.3e	90.4	87.2	41.0	58.1	93.3	91.6	48.4	67.5
5	12.7e	4.8e	0.8e	0.3e	91.0	86.0	40.9	60.9	93.4	90.6	46.2	71.3
6	12.1e	4.6e	0.5e	0.1e	92.2	85.8	41.0	62.8	93.6	88.4	42.1	73.2
7	11.3e	4.5e	0.4e	0.0e	93.1	85.6	40.7	64.4	93.7	85.5	40.0	72.0
8	10.7e	4.5e	0.3e	0.0e	93.4	85.7	41.2	65.9	93.5	82.8	38.3	71.2
9	10.1e	4.4e	0.1e	0.0e	93.4	85.4	39.2	67.2	93.4	81.4	37.3	70.8
10	9.8e	4.0e	0.0e	0.0e	93.7	85.5	38.1	70.1	93.4	80.8	36.5	69.9
11	9.3e	3.6e	0.0e	0.0e	93.6	84.9	38.6	72.6	93.4	80.1	35.9	69.7
12	8.9e	3.4e	0.0e	0.0e	93.3	85.1	39.9	76.7	93.6	81.3	35.7	71.5
13	8.4e	3.2e	0.0e	0.0e	93.3	84.9	40.5	78.6	93.7	83.1	37.0	73.1
14	8.0e	3.0e	0.0e	0.0e	93.4	84.9	41.7	81.0	93.7	82.4	37.4	75.7
15	7.6e	2.8e	0.8e	0.0e	93.2	85.5	42.3	82.8	93.7	82.8	36.1	78.8
16	7.1e	2.6e	2.5e	0.0e	93.0	84.6	42.8	85.2	93.7	82.4	34.2	81.8
17	6.7e	2.4e	2.7e	0.1e	93.1	82.2	43.1	86.4	93.7	82.1	33.5	85.4
18	6.3e	2.3e	2.0e	0.4e	92.8	80.2	43.7	87.8	93.7	81.7	32.3	87.1
19	6.0e	2.1e	1.5e	0.7e	92.6	68.7	44.2	88.9	93.7	81.8	32.6	87.4
20	5.6e	2.1e	1.3e	7.0e	92.4	62.4	44.0	89.6	93.7	81.2	35.9	87.4
21	5.3e	2.0e	1.0e	21.6e	92.4	58.5	43.6	90.0	93.9	82.2	37.9	87.2
22	5.3e	2.0e	0.7e	26.0e	92.1	57.0	42.4	91.0	96.8	83.2	39.2	87.3
23	5.8e	1.9e	0.7e	22.1e	91.6	55.7	42.3	91.7	95.4	84.0	41.9	86.5
24	5.4e	1.9e	0.6e	21.5e	91.4	54.9	42.1	92.1	94.8	84.5	38.9	82.2
25	5.2e	1.9e	0.4e	29.4e	90.4	54.6	42.1	92.6	94.2	85.3	37.3	79.0
26	5.4e	1.8e	0.0e	42.3e	90.0	53.7	42.4	92.7	94.0	85.1	37.4	76.2
27	5.5e	1.8e	0.0e	58.1e	90.0	52.2	43.1	92.8	94.0	80.4	38.3	74.3
28	5.3e	1.8e	0.0e	75.2e	90.0	50.7	44.6	93.2	94.0	76.7	43.2	71.1
29	4.9e		0.2e	84.4e	89.8	49.0	46.6	93.2	94.0	70.0	50.5	67.0
30	4.6e		0.5e	88.1e	89.5	46.5	48.8	93.2	94.0	61.8	54.3	63.4
31	4.6e		0.7e		88.9		50.9	93.2		56.1		60.5
Mean	8.2	3.2	0.8	16.0	91.7	73.4	42.6	79.3	93.9	82.2	40.7	74.9
Maximum	15.5	5.0	2.7	88.1	93.7	88.7	50.9	93.2	96.8	93.7	54.6	87.4
Minimum	4.6	1.8	0.0	0.0	88.9	46.5	38.1	53.6	93.2	56.1	32.3	60.5
Total	22	8	2	41	246	190	114	212	243	220	105	201

(Total flows in million cubic metres per month)

Annual statistics

Mean : 50.9 (cubic metres per second)
Maximum : 96.8 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1605 (million cubic metres)

Data availability

Original values : 243
Estimated values (Flag e) : 122
Missing values (Flag m) : 0

Comments : Station established in May

River Shebelli at Afgoi 1964

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	59.7	23.5	6.2	0.7	25.2	23.9	12.0	39.5	92.0	90.5	90.8	38.3
2	56.7	23.1	6.2	0.8	21.2	23.6	12.1	44.0	91.6	90.5	91.2	36.9
3	51.1	21.9	6.0	0.9	22.9	22.1	13.5	46.4	91.3	90.2	91.3	34.9
4	46.0	20.6	5.8	1.1	26.7	20.9	15.5	50.6	91.3	90.5	91.3	33.3
5	40.6	19.4	5.6	1.0	31.2	19.9	15.4	51.9	91.3	90.3	91.2	31.4
6	37.3	18.0	5.1	1.6	38.8	17.5	14.9	52.7	91.3	90.3	90.7	30.7
7	35.1	17.7	4.5	2.4	44.0	16.0	14.7	53.2	91.3	90.8	90.3	28.8
8	34.0	17.0	4.2	3.0	45.4	14.7	14.6	53.8	91.3	91.1	90.0	27.7
9	33.4	16.5	4.3	3.5	45.2	13.4	14.5	53.6	91.2	91.3	90.0	27.4
10	33.1	15.5	4.3	2.9	42.9	12.7	15.8	53.1	91.3	91.3	89.9	27.0
11	33.5	13.8	3.9	2.2	40.8	12.0	17.9	52.6	91.2	91.2	89.3	27.1
12	33.9	12.8	3.5	1.8	38.9	10.8	19.0	53.8	90.9	90.9	89.0	28.5
13	33.2	12.2	3.1	1.5	38.0	9.6	19.8	55.0	90.8	91.1	88.7	28.6
14	31.9	11.8	2.8	1.4	37.4	8.9	21.2	57.4	91.2	90.8	88.7	28.6
15	30.1	11.8	2.5	1.6	35.9	8.5	20.9	60.2	91.2	90.8	88.6	28.4
16	29.6	11.3	2.5	1.6	33.4	8.0	20.4	63.4	91.3	90.6	87.3	27.1
17	28.5	10.8	2.5	1.5	31.6	7.9	19.7	67.3	91.2	90.5	81.7	25.2
18	27.3	10.3	2.4	1.6	30.8	7.8	18.6	70.8	90.9	90.7	76.2	24.6
19	26.9	10.2	2.3	2.2	29.8	7.6	17.6	72.9	90.7	90.7	73.6	23.9
20	27.0	9.4	1.9	6.6	28.5	7.5	17.9	74.3	90.6	90.7	71.2	22.1
21	28.0	8.8	1.6	17.5	25.0	10.1	19.8	76.4	90.6	91.0	66.7	20.6
22	29.0	8.6	1.6	25.7	22.8	14.2	21.5	81.9	90.2	90.6	63.0	20.0
23	30.3	7.8	1.3	31.7	21.0	16.9	22.8	87.0	90.5	90.0	60.8	19.9
24	32.6	6.9	1.1	34.0	17.9	19.1	23.7	87.4	90.4	88.7	57.4	20.2
25	32.8	6.6	1.0	35.8	16.7	17.9	24.3	87.8	90.3	88.8	55.6	19.9
26	32.8	6.5	0.1	42.1	16.6	16.1	25.8	88.4	90.5	89.2	54.3	19.9
27	30.6	6.4	0.2	50.6	17.0	14.9	27.7	89.4	90.5	89.4	51.7	19.9
28	27.2	6.2	0.3	52.0	17.4	14.3	29.8	90.2	90.5	89.6	47.3	19.2
29	25.8	6.2	0.3	47.3	18.5	12.7	32.0	90.5	90.5	90.2	44.5	19.3
30	25.1		0.3	34.5	20.1	12.4	34.5	90.6	90.5	90.5	42.0	20.3
31	24.5		0.2		22.1		36.9	91.3		90.6		21.1
Mean	33.8	12.8	2.8	13.7	29.2	14.1	20.5	67.3	91.0	90.4	76.1	25.8
Maximum	59.7	23.5	6.2	52.0	45.4	23.9	36.9	91.3	92.0	91.3	91.3	38.3
Minimum	24.5	6.2	0.1	0.7	16.6	7.5	12.0	39.5	90.2	88.7	42.0	19.2
Total	91	32	8	36	78	36	55	180	236	242	197	69

(Total flows in million cubic metres per month)

Annual statistics

Mean : 39.8 (cubic metres per second)
Maximum : 92.0 (cubic metres per second)
Minimum : 0.1 (cubic metres per second)
Total : 1260 (million cubic metres)

Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments :

River Shebelli at Afgoi 1965

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	19.1	20.5	5.4	0.0	7.3	13.6	1.9	0.0	33.6	51.7	85.9	88.4
2	23.1	20.3	5.8	0.0	11.4	12.5	1.6	0.0	36.8	48.0	86.6	88.7
3	27.6	19.9	5.8	0.0	15.3	10.8	1.0	0.0	40.2	44.1	86.7	88.8
4	32.0	19.9	5.6	0.0	18.1	9.4	1.1	0.0	42.7	42.0	86.4	88.8
5	37.0	19.8	5.0	0.0	23.2	7.8	0.9	0.0	45.9	41.2	87.3	88.0
6	39.4	18.4	4.5	0.0	29.8	6.7	0.2	0.0	49.7	40.8	87.4	85.6
7	45.5	16.9	4.2	0.0	37.2	7.3	0.0	0.0	52.6	41.3	87.5	80.9
8	51.3	16.7	4.0	0.0	44.7	8.1	0.0	0.0	52.8	41.0	87.4	73.6
9	57.2	16.0	3.3	0.0	52.2	8.4	0.0	0.0	51.8	40.1	87.1	66.3
10	64.5	14.9	2.9	0.0	60.1	8.2	0.0	0.0	50.0	39.7	86.9	57.8
11	70.1	14.6	2.8	0.0	60.8	8.2	0.0	0.0	47.2	40.2	86.9	51.6
12	72.7	13.6	2.8	0.0	65.7	9.5	0.0	0.0	44.8	44.3	87.0	46.6
13	71.2	12.8	2.6	0.0	68.6	11.1	0.0	0.0	43.5	50.3	86.0	43.0
14	69.3	12.5	2.2	0.1	69.4	10.8	0.0	0.0	44.2	54.5	84.3	39.8
15	65.8	11.6	2.2	0.4	70.2	9.7	1.4	4.6	45.8	54.8	81.7	37.1
16	61.3	10.6	2.0	0.7	67.8	8.5	2.0	6.9	48.2	53.7	78.5	35.0
17	56.1	10.1	0.7	0.6	60.3	8.2	2.5	7.7	50.8	57.4	77.6	32.7
18	46.5	9.9	0.0	0.2	53.7	9.6	2.6	8.0	52.6	68.0	75.2	31.4
19	44.4	9.1	0.7	0.3	47.8	9.8	1.7	7.8	54.5	76.5	71.8	30.1
20	42.3	8.4	0.4	1.6	43.0	8.3	1.3	8.4	56.9	78.9	70.9	28.3
21	39.8	7.8	0.3	2.4	39.2	7.0	1.1	8.7	58.2	78.4	72.8	26.4
22	35.0	6.9	0.2	1.6	35.6	5.4	1.1	8.3	58.1	77.8	75.4	25.1
23	32.0	6.2	0.2	1.7	31.3	4.1	1.1	10.7	57.7	77.7	77.9	23.7
24	28.8	6.2	0.0	4.0	29.2	4.3	0.4	12.9	58.5	77.9	80.3	22.9
25	27.4	6.3	0.0	7.3	27.1	4.1	0.0	14.6	59.2	79.7	82.4	21.8
26	26.2	6.2	0.0	6.4	24.3	3.5	0.0	15.6	59.6	80.6	84.3	20.7
27	25.3	6.2	0.0	4.7	21.9	3.7	0.0	17.2	60.4	81.8	86.1	20.0
28	24.2	6.3	0.0	5.6	19.3	3.7	0.0	19.1	59.7	82.9	87.0	19.3
29	24.2		0.0	5.9	16.8	3.2	0.0	22.7	57.8	83.7	87.4	17.7
30	23.1		0.0	6.9	15.1	2.4	0.0	26.8	54.8	85.1	87.9	16.2
31	21.9		0.0		13.9		0.0	30.6		85.5		15.6
Mean	42.1	12.5	2.1	1.7	38.1	7.6	0.7	7.4	51.0	61.3	83.0	45.5
Maximum	72.7	20.5	5.8	7.3	70.2	13.6	2.6	30.6	60.4	85.5	87.9	88.8
Minimum	19.1	6.2	0.0	0.0	7.3	2.4	0.0	0.0	33.6	39.7	70.9	15.6
Total	113	30	6	4	102	20	2	20	132	164	215	122

(Total flows in million cubic metres per month)

Annual statistics

Mean : 29.5 (cubic metres per second)
Maximum : 88.8 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 930 (million cubic metres)

Comments :

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

River Shebelli at Afgoi 1966

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	14.8	2.0	0.0	13.7	49.3	32.0	31.9	37.0	66.6	82.8	65.9	22.8
2	14.0	1.4	0.0	13.8	51.0	34.5	31.0	37.6	68.1	83.0	75.1	21.7
3	13.3	1.3	0.0	15.4	52.6	40.4	31.2	37.7	69.3	83.2	80.5	20.2
4	12.2	0.9	0.0	17.5	54.1	42.5	31.7	37.3	70.0	83.0	81.4	18.8
5	11.2	0.7	7.2	17.3	56.3	43.3	33.5	35.5	70.8	82.8	80.9	17.2
6	10.7	0.7	14.5	16.6	59.6	42.0	35.7	35.2	71.2	83.0	80.9	16.1
7	10.4	0.6	16.7	16.3	64.8	38.8	36.1	35.6	72.0	83.1	82.6	16.1
8	10.6	0.5	16.8	16.8	69.8	36.5	36.7	35.4	72.9	83.2	84.3	15.9
9	9.5	0.3	17.4	16.2	73.2	33.0	36.5	36.4	74.3	83.2	85.4	15.0
10	8.8	0.1	18.8	15.0	75.1	32.1	35.2	37.2	75.3	83.4	86.4	14.0
11	8.0	0.1	21.0	14.1	77.4	31.3	33.4	37.7	75.6	83.5	87.3	13.7
12	7.0	0.0	22.5	13.3	79.1	31.3	31.7	38.6	76.2	83.1	87.4	13.3
13	6.9	0.0	25.0	12.5	81.0	31.7	30.0	39.7	76.9	83.2	87.4	12.7
14	6.8	0.0	27.9	11.8	82.1	31.7	28.9	40.0	77.6	82.9	87.4	11.3
15	6.6	0.0	30.5	11.7	82.9	31.7	28.4	40.2	78.0	81.8	87.4	10.8
16	6.3	0.0	31.9	11.8	83.7	31.4	26.2	40.4	78.6	80.7	85.4	10.7
17	5.6	0.0	32.8	11.3	84.2	30.3	24.8	40.0	79.3	77.6	78.5	10.6
18	5.2	0.0	33.1	10.6	84.7	28.1	23.2	40.5	79.5	73.3	72.1	10.1
19	5.0	0.0	34.1	9.8	84.8	26.4	21.9	40.6	80.3	69.9	65.7	9.0
20	4.8	0.0	33.3	9.3	83.9	26.0	20.2	41.9	81.0	66.1	57.6	8.7
21	4.6	0.0	31.3	9.6	81.7	26.4	19.2	43.2	81.6	61.7	50.3	8.5
22	4.4	0.0	29.2	11.4	76.3	27.6	18.3	44.7	81.7	58.7	43.9	7.7
23	4.2	0.0	27.2	18.1	68.2	27.8	18.0	46.5	81.8	58.9	39.1	6.6
24	4.1	0.0	24.7	25.0	60.3	27.0	18.9	48.3	82.1	57.4	35.6	6.0
25	3.9	0.0	23.1	34.1	53.6	26.8	20.1	50.0	82.2	53.8	33.0	5.0
26	3.6	0.0	21.1	47.8	47.6	27.5	21.7	52.4	82.2	48.6	30.5	4.6
27	3.5	0.0	18.3	54.6	44.1	29.0	23.5	54.5	82.2	45.6	28.3	5.0
28	3.6	0.0	16.8	54.0	41.0	30.7	26.3	57.0	82.6	43.2	26.6	4.8
29	2.8		15.1	50.2	37.8	31.4	29.3	59.6	83.0	45.5	25.0	4.3
30	2.4		13.7	48.3	36.2	32.1	31.9	61.8	82.8	51.2	23.9	4.3
31	2.1		13.7		33.2		35.0	64.5		58.9		4.6
Mean	7.0	0.3	19.9	20.9	64.8	32.0	28.1	43.5	77.2	70.9	64.5	11.3
Maximum	14.8	2.0	34.1	54.6	84.8	43.3	36.7	64.5	83.0	83.5	87.4	22.8
Minimum	2.1	0.0	0.0	9.3	33.2	26.0	18.0	35.2	66.6	43.2	23.9	4.3
Total	19	1	53	54	174	83	75	116	200	190	167	30

(Total flows in million cubic metres per month)

Annual statistics

Mean : 36.9 (cubic metres per second)
Maximum : 87.4 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1163 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments :

River Shebelli at Afgoi 1967

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4.3	0.0	0.0	0.0	39.0	89.0	31.0	53.8	97.7	94.1	92.7	88.7
2	4.2	0.0	0.0	0.0	44.6	89.8	28.9	56.0	98.0	94.0	92.7	89.2
3	4.2	0.0	0.0	0.0	51.4	90.7	27.7	57.7	98.2	93.9	92.7	90.2
4	3.9	0.0	0.0	0.0	53.0	91.4	26.2	59.4	98.2	93.5	92.7	91.1
5	3.1	0.0	0.0	0.0	54.9	91.7	24.8	60.7	98.2	93.0	94.2	91.3
6	2.4	0.0	0.0	0.0	59.0	91.9	23.4	62.0	98.2	92.7	94.0	91.6
7	1.9	0.0	0.0	0.0	65.2	92.0	22.0	63.8	98.2	92.8	94.3	91.9
8	1.5	0.0	0.0	0.0	72.4	92.1	20.8	65.8	98.2	92.6	93.9	91.8
9	1.3	0.0	0.0	0.0	78.3	92.5	20.3	67.6	98.2	92.3	93.6	92.0
10	0.9	0.0	0.0	0.0	81.6	92.7	19.7	69.8	98.0	92.1	93.9	92.2
11	0.7	0.0	0.0	0.0	81.1	92.1	18.4	72.2	98.2	92.1	93.9	92.3
12	0.5	0.0	0.0	0.0	78.9	90.1	17.3	74.2	98.2	92.0	93.7	92.6
13	0.2	0.0	0.0	0.0	76.2	86.8	16.6	76.5	98.1	92.0	93.5	92.7
14	0.1	0.0	0.0	6.4	73.6	79.3	16.3	79.0	98.0	91.9	93.3	92.4
15	0.0	0.0	0.0	21.5	72.5	69.7	15.8	81.1	97.9	92.1	93.2	92.3
16	0.0	0.0	0.0	35.5	74.1	60.9	15.8	82.4	97.7	93.2	93.2	91.9
17	0.0	0.0	0.0	43.3	77.0	55.4	16.1	83.6	97.3	93.4	93.0	91.8
18	0.0	0.0	0.0	48.1	79.8	52.2	16.2	85.4	96.3	92.9	92.4	91.1
19	0.0	0.0	0.0	52.4	80.4	50.0	16.0	87.0	96.0	92.7	91.4	90.4
20	0.0	0.0	0.0	56.5	81.7	47.3	15.6	87.5	96.0	92.7	90.3	90.1
21	0.0	0.0	0.0	60.3	83.1	45.3	15.8	88.7	96.0	92.7	89.1	90.1
22	0.0	0.0	0.0	59.1	84.4	45.1	16.2	90.2	95.7	92.7	86.9	90.3
23	0.0	0.0	0.0	56.1	85.3	44.9	17.0	91.7	95.3	92.7	84.7	90.3
24	0.0	0.0	0.0	53.3	85.9	44.0	20.3	93.0	95.2	92.7	83.9	90.1
25	0.0	0.0	0.0	49.9	86.3	42.5	25.1	94.9	95.0	92.7	83.4	89.2
26	0.0	0.0	0.0	47.3	86.8	40.5	30.6	95.9	94.9	92.7	84.4	87.7
27	0.0	0.0	0.0	43.2	87.4	38.3	35.5	96.8	94.7	92.7	85.4	86.5
28	0.0	0.0	0.0	38.0	87.9	36.5	40.1	97.6	94.5	92.5	86.1	83.5
29	0.0		0.0	34.8	88.4	34.8	44.8	97.9	93.9	92.4	87.0	77.8
30	0.0		0.0	34.6	88.4	33.4	48.7	97.9	94.0	92.5	87.9	72.8
31	0.0		0.0		88.6		51.5	97.7		92.7		68.0
Mean	0.9	0.0	0.0	24.7	75.1	66.8	24.3	79.6	96.8	92.7	90.7	88.8
Maximum	4.3	0.0	0.0	60.3	88.6	92.7	51.5	97.9	98.2	94.1	94.3	92.7
Minimum	0.0	0.0	0.0	0.0	39.0	33.4	15.6	53.8	93.9	91.9	83.4	68.0
Total	3	0	0	64	201	173	65	213	251	248	235	238

(Total flows in million cubic metres per month)

Annual statistics

Mean : 53.6 (cubic metres per second)
Maximum : 98.2 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1691 (million cubic metres)

Comments :

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

River Shebelli at Afgoi 1968

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	60.1	18.5	12.2	66.5	94.8	94.3	79.3	71.8	97.6	91.4	93.9	57.9
2	57.0	18.2	14.2	62.8	95.3	93.6	78.0	71.7	97.6	91.1	94.2	62.9
3	54.1	17.7	15.3	58.5	95.9	93.1	76.6	71.6	97.6	91.2	94.0	67.1
4	51.3	16.9	15.8	55.1	96.6	92.8	74.1	72.1	97.1	91.2	93.2	69.7
5	47.9	16.0	16.2	52.2	96.6	92.5	71.6	73.4	97.4	91.5	90.9	72.4
6	45.0	15.5	16.8	50.2	96.7	92.0	69.8	74.4	97.6	91.9	88.0	75.7
7	42.9	15.0	17.6	47.5	96.9	91.6	68.1	74.8	97.6	91.9	84.3	77.8
8	41.1	14.1	18.7	43.7	96.8	91.3	66.6	75.8	97.3	92.5	81.8	80.0
9	38.4	14.1	21.7	40.0	96.6	91.7	65.1	77.8	97.1	92.5	79.5	82.4
10	36.4	13.6	32.5	36.8	96.6	92.1	64.1	79.9	96.8	92.8	77.9	84.2
11	35.1	13.1	44.1	35.8	96.6	91.7	63.8	82.3	96.6	92.8	76.3	84.2
12	34.1	12.6	52.7	35.4	96.8	91.4	63.8	84.1	96.7	92.9	72.6	82.6
13	33.5	12.0	57.4	35.4	97.3	90.8	64.2	84.6	96.8	93.2	68.3	82.0
14	32.7	11.8	59.8	35.8	97.5	90.3	64.3	85.8	96.6	93.1	63.4	81.3
15	30.9	11.7	62.4	37.9	97.7	90.0	65.8	87.6	96.6	93.6	58.2	80.6
16	29.8	11.0	65.3	39.6	97.8	89.0	67.3	89.4	96.5	93.6	53.4	80.1
17	29.0	10.4	68.7	41.4	97.9	87.7	68.0	90.3	96.1	93.7	51.7	76.2
18	28.3	10.0	73.0	47.1	98.1	86.3	67.5	91.6	96.0	93.4	50.5	71.0
19	27.1	9.8	77.6	55.0	98.4	84.3	66.9	92.6	96.0	92.8	51.3	65.5
20	26.4	9.7	81.0	64.0	98.5	82.8	66.8	93.2	96.0	92.8	52.9	60.4
21	25.6	9.7	83.4	72.7	98.4	82.3	66.8	94.1	96.0	93.2	51.4	55.9
22	24.4	9.4	85.0	77.3	98.0	80.8	66.8	94.8	95.7	93.6	47.8	52.7
23	23.2	8.9	86.0	81.0	98.0	80.5	67.0	95.8	95.3	94.0	44.8	50.0
24	22.6	8.6	86.8	84.2	98.0	80.8	68.0	96.3	94.9	94.6	43.2	47.8
25	21.8	7.9	86.7	87.4	98.3	80.9	69.3	96.8	94.7	95.1	42.3	45.7
26	21.0	7.6	84.6	88.9	98.3	81.8	70.4	97.3	93.7	95.0	41.1	44.1
27	20.5	8.1	81.4	90.2	98.1	82.2	71.3	97.3	92.7	95.2	40.2	42.2
28	20.2	10.3	79.1	91.4	98.0	82.2	71.6	97.1	92.5	95.2	41.4	40.1
29	19.6	11.4	76.5	92.3	97.6	82.0	71.8	97.2	92.0	95.0	44.9	38.2
30	18.7		73.4	93.4	96.8	81.2	71.8	97.3	91.6	94.8	51.2	36.3
31	18.1		69.2		95.6		71.8	97.4		94.1		34.4
Mean	32.8	12.2	55.3	60.0	97.2	87.5	69.0	86.7	95.9	93.2	64.2	63.9
Maximum	60.1	18.5	86.8	93.4	98.5	94.3	79.3	97.4	97.6	95.2	94.2	84.2
Minimum	18.1	7.6	12.2	35.4	94.8	80.5	63.8	71.6	91.6	91.1	40.2	34.4
Total	88	31	148	155	260	227	185	232	249	250	166	171

(Total flows in million cubic metres per month)

Annual statistics

Mean : 68.4 (cubic metres per second)
Maximum : 98.5 (cubic metres per second)
Minimum : 7.6 (cubic metres per second)
Total : 2162 (million cubic metres)

Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments :

River Shebelli at Afgoi 1969

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	32.6	18.5	13.0	97.2	85.5	96.7	31.8	53.8	96.5	94.9	66.1	24.0
2	31.2	17.7	12.4	97.4	82.8	96.7	30.9	56.2	96.7	95.2	63.4	22.9
3	29.8	17.1	12.2	97.3	79.2	96.7	29.9	58.5	96.9	95.9	58.7	21.8
4	28.6	16.8	16.1	97.8	74.2	96.9	29.1	60.7	96.8	95.5	53.9	20.6
5	27.3	16.4	31.8	97.8	69.8	96.7	27.8	62.6	96.9	94.9	51.4	19.8
6	25.8	16.0	46.5	97.9	68.8	96.6	27.3	65.0	96.4	93.9	50.3	18.2
7	24.8	15.6	54.0	97.2	74.5	96.0	26.0	67.4	96.2	94.7	48.8	16.9
8	23.7	14.4	58.3	96.3	77.3	92.4	25.6	70.2	96.0	94.8	46.2	15.2
9	23.1	14.7	61.4	95.6	76.0	84.6	24.9	72.5	95.7	94.8	44.3	15.6
10	22.1	14.2	63.1	95.6	75.2	74.2	24.4	74.3	95.7	94.6	42.3	16.4
11	21.4	14.1	65.1	95.8	75.2	64.3	26.6	76.1	95.8	94.6	40.4	16.2
12	20.9	14.2	67.4	95.9	77.9	59.0	31.6	78.1	95.6	94.2	40.1	15.6
13	19.3	14.4	69.1	95.9	83.0	55.1	38.9	79.8	95.5	94.2	43.7	14.8
14	18.9	14.6	72.0	96.1	86.3	51.2	44.6	81.6	95.2	93.2	52.2	14.5
15	18.9	13.9	76.3	96.2	90.0	48.4	45.9	84.1	94.8	89.3	61.2	14.1
16	18.8	13.9	81.4	96.6	92.0	46.9	46.8	86.4	94.9	84.1	67.0	13.7
17	18.8	14.8	85.2	96.9	93.0	45.3	47.2	87.5	94.6	79.7	69.0	13.9
18	19.3	15.5	87.6	97.4	94.3	43.9	47.1	88.3	94.9	78.0	67.0	14.6
19	20.0	16.2	89.2	97.5	95.3	42.3	46.7	89.9	95.3	78.1	60.9	14.4
20	20.3	17.7	90.8	97.5	95.6	41.5	47.4	92.0	95.4	78.4	54.2	13.8
21	19.7	19.3	91.7	97.5	95.8	40.4	52.1	92.7	95.3	78.2	49.0	12.2
22	19.1	19.5	92.7	97.2	95.9	39.5	55.8	93.5	95.4	78.2	46.0	10.6
23	19.2	19.4	93.3	95.2	96.5	38.7	57.1	94.6	95.3	78.2	41.5	10.6
24	18.8	19.3	94.1	93.7	96.3	37.6	58.6	94.9	95.2	78.1	37.5	11.3
25	18.6	18.0	95.1	92.5	96.4	36.6	57.8	95.2	95.2	77.8	33.3	11.1
26	18.7	16.6	96.0	91.2	96.4	35.8	56.3	95.4	95.4	73.8	31.4	10.6
27	18.8	15.1	96.3	90.2	96.5	35.2	54.0	95.5	94.9	68.5	29.9	10.1
28	19.1	13.6	96.2	90.1	96.5	34.3	51.8	95.7	94.7	63.4	28.7	9.1
29	19.1		96.6	89.0	96.6	33.2	51.3	96.2	94.8	61.5	27.7	7.9
30	19.1		96.9	87.3	96.6	32.7	50.9	96.4	94.7	62.6	25.8	7.3
31	19.1		97.4		96.6		51.7	96.6		64.7		8.0
Mean	21.8	16.1	70.9	95.3	87.3	59.7	41.9	81.7	95.6	83.8	47.7	14.4
Maximum	32.6	19.5	97.4	97.9	96.6	96.9	58.6	96.6	96.9	95.9	69.0	24.0
Minimum	18.6	13.6	12.2	87.3	68.8	32.7	24.4	53.8	94.6	61.5	25.8	7.3
Total	58	39	190	247	234	155	112	219	248	224	124	39

(Total flows in million cubic metres per month)

Annual statistics

Mean : 59.9 (cubic metres per second)
Maximum : 97.9 (cubic metres per second)
Minimum : 7.3 (cubic metres per second)
Total : 1888 (million cubic metres)

Comments :

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

River Shebelli at Afgoi 1970

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	7.0	0.7	7.7	76.1	95.4	94.8	18.6	23.8	98.4	98.3	98.0	40.2
2	6.4	0.7	7.2	78.7	96.2	90.9	17.8	29.6	98.5	98.3	98.2	38.3
3	6.5	0.7	6.6	82.6	96.5	86.8	17.4	41.5	98.6	98.0	99.0	36.8
4	6.8	0.2	6.0	86.3	96.5	81.8	17.2	52.1	98.5	98.1	98.3	34.8
5	6.0	0.0	5.8	88.9	96.7	75.7	17.7	57.6	98.7	97.9	98.1	32.7
6	5.4	0.3	5.7	91.5	97.2	69.9	17.8	60.5	99.3	97.7	98.1	30.7
7	5.3	3.8	4.9	92.6	97.6	65.2	17.9	63.2	99.2	97.5	98.0	29.3
8	4.9	8.8	3.8	92.8	97.8	62.6	17.6	65.8	99.2	97.7	97.6	28.0
9	6.0	15.5	3.0	93.2	98.0	60.1	17.5	68.4	99.4	97.7	97.9	27.0
10	6.3	22.8	3.2	93.9	98.4	56.0	17.7	69.4	99.7	97.7	97.9	26.3
11	5.7	25.8	2.9	94.7	98.5	51.4	17.6	70.8	99.5	97.6	98.0	25.0
12	4.7	26.3	2.9	94.9	98.4	47.5	17.2	73.5	99.2	97.6	98.0	23.4
13	4.5	26.2	2.6	94.5	98.4	44.3	17.4	77.0	99.3	97.7	98.1	22.6
14	4.4	25.4	3.2	93.0	98.4	41.5	17.4	80.1	99.1	97.6	98.0	21.5
15	4.4	24.2	17.9	91.3	98.4	38.9	17.1	81.8	99.0	97.5	98.1	20.8
16	4.5	23.5	32.8	88.5	98.4	36.1	17.3	83.1	98.8	97.8	98.1	20.3
17	4.2	22.3	37.5	86.2	98.4	34.5	17.4	84.5	98.8	97.9	97.8	20.1
18	4.2	21.1	36.9	84.2	98.1	33.8	17.3	86.3	98.7	98.0	97.8	20.0
19	3.9	19.8	35.5	79.9	98.1	33.7	17.2	87.6	98.4	98.0	96.5	19.3
20	3.9	18.3	37.1	75.9	98.3	33.2	17.0	89.4	98.2	97.9	92.9	18.8
21	3.7	15.9	42.2	71.3	98.4	31.8	16.6	91.7	98.0	97.7	86.2	18.2
22	3.5	13.3	47.8	69.5	98.4	30.6	16.6	92.8	97.9	98.0	77.7	17.8
23	3.3	12.1	52.0	69.3	98.3	29.1	16.1	93.7	98.0	98.3	71.8	17.5
24	3.0	11.4	53.9	70.8	98.1	27.2	15.3	94.9	98.1	98.2	66.6	18.1
25	2.7	10.5	55.4	77.5	98.2	25.3	14.3	95.6	98.2	98.2	61.1	16.8
26	2.3	9.5	57.4	85.0	98.1	23.7	13.4	96.6	98.2	98.0	55.9	16.4
27	2.3	9.3	60.7	89.9	98.2	22.6	12.8	97.3	98.2	98.0	51.5	15.8
28	2.1	8.7	64.2	92.4	97.9	22.2	12.7	97.8	98.1	97.9	47.7	14.1
29	2.2		66.9	93.7	97.7	21.3	12.5	98.0	98.1	97.9	44.7	12.6
30	1.6		69.5	94.7	97.6	19.9	12.1	98.2	98.3	98.0	42.9	12.7
31	1.4		72.9		96.0e		17.0e	98.3		98.0		12.8
Mean	4.3	13.5	29.2	85.8	97.8	46.4	16.4	77.4	98.7	97.9	85.3	22.9
Maximum	7.0	26.3	72.9	94.9	98.5	94.8	18.6	98.3	99.7	98.3	99.0	40.2
Minimum	1.4	0.0	2.6	69.3	95.4	19.9	12.1	23.8	97.9	97.5	42.9	12.6
Total	12	33	78	222	262	120	44	207	256	262	221	61

(Total flows in million cubic metres per month)

Annual statistics

Mean : 56.4 (cubic metres per second)
Maximum : 99.7 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1779 (million cubic metres)

Data availability

Original values : 363
Estimated values (Flag e) : 2
Missing values (Flag m) : 0

Comments : No original data on two days - the first break in data since station established in 1963

River Shebelli at Afgoi 1971

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	12.8	5.7	0.3	0.0	61.4	76.7	53.2	78.7	95.6	99.5	94.7	83.7
2	13.3	5.8	0.3	0.0	58.3	74.2	60.9	78.6	96.3	99.3	94.9	85.9
3	13.1	4.9	0.2	0.0	54.0	69.3	65.5	78.9	96.6	98.7	95.4	85.0
4	13.2	4.4	0.2	0.0	51.6	63.7	66.5	80.9	97.1	97.4	96.0	83.1
5	12.7	3.9	0.3	0.0	49.1	59.3	65.8	82.1	97.3	96.0	96.7	77.5
6	12.3	3.9	0.6	0.0	50.0	56.8	64.3	83.3	97.8	93.6	96.5	69.5
7	11.7	4.4	0.5	0.0	59.6	56.2	63.2	83.5	97.9	89.6	95.0	63.3
8	11.2	3.9	0.5	0.0	68.0	55.7	63.5	82.7	98.1	86.2	91.6	56.8
9	10.4	3.6	1.1	0.0	74.7	57.7	66.1	81.6	98.0	83.9	85.9	51.8
10	10.1	3.0	1.1	0.0	76.4	59.5	67.5	80.3	98.5	80.8	80.4	48.0
11	9.6	2.9	1.0	0.0	75.1	60.0	67.7	80.2	98.4	77.4	77.2	44.5
12	9.0	3.0	0.5	0.0	71.1	58.1	68.6	81.6	98.6	74.4	71.8	42.5
13	8.7	2.8	0.3	0.0	65.7	54.7	67.6	82.8	98.9	71.9	67.9	39.4
14	8.4	1.6	0.1	0.7	64.1	51.0	64.6	84.8	98.7	71.7	64.6	36.9
15	7.8	2.1	0.0	7.2	64.2	48.0	62.1	86.1	98.6	72.8	61.9	34.9
16	6.8	2.3	0.0	17.6	70.6	46.0	58.6	86.4	98.8	74.6	58.5	33.0
17	6.6	1.2	0.0	22.5	74.5	44.5	55.0	86.3	99.4	76.8	52.4	31.1
18	6.5	1.1	0.0	24.5	77.1	43.2	55.9	85.8	99.5	78.8	47.5	29.4
19	6.6	1.5	0.0	24.4	80.0	41.7	58.5	85.9	99.5	81.0	44.8	28.1
20	6.8	1.4	0.0	24.4	81.8	39.5	62.1	87.6	99.5	84.4	43.0	27.1
21	6.9	1.2	0.0	28.4	82.0	37.0	65.3	89.0	99.7	88.7	40.6	26.1
22	6.9	0.8	0.0	32.7	81.9	33.8	66.8	90.5	99.2	90.2	37.9	24.9
23	6.5	0.6	0.0	39.7	82.9	31.3	68.7	91.1	99.2	91.2	36.9	23.1
24	5.9	0.5	0.0	46.5	84.0	29.2	71.2	92.6	99.2	91.9	36.0	22.2
25	5.4	0.6	0.0	52.1	84.7	28.3	73.4	92.9	99.3	92.1	35.8	22.2
26	4.9	1.1	0.0	58.7	84.8	27.9	75.3	92.7	99.3	92.1	37.6	21.4
27	4.7	0.7	0.0	61.8	84.8	27.8	76.8	93.0	99.3	91.4	41.3	20.3
28	5.5	0.4	0.0	64.7	84.4	28.5	77.9	92.9	99.2	91.7	53.3	18.5
29	5.9		0.0	65.1	84.1	32.6	78.6	93.7	99.2	91.7	62.9	17.8
30	5.9		0.0	63.8	82.4	42.4	79.1	94.7	99.4	92.2	76.0	16.8
31	5.2		0.0		78.8		79.2	95.4		93.2		16.7
Mean	8.4	2.5	0.2	21.2	72.3	47.8	66.8	86.3	98.5	86.9	65.8	41.3
Maximum	13.3	5.8	1.1	65.1	84.8	76.7	79.2	95.4	99.7	99.5	96.7	85.9
Minimum	4.7	0.4	0.0	0.0	49.1	27.8	53.2	78.6	95.6	71.7	35.8	16.7
Total	23	6	1	55	194	124	179	231	255	233	171	111

(Total flows in million cubic metres per month)

Annual statistics

Mean : 50.1 (cubic metres per second)
Maximum : 99.7 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1581 (million cubic metres)

Comments :

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

River Shebelli at Afgoi 1972

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	15.2	3.5	44.2	5.0	75.4	100.6	42.3	94.1e	103.3	101.7	91.0	42.3
2	13.8	3.9	42.8	3.9	78.4	100.6	41.3	94.9e	103.6	100.5	89.4	42.1
3	12.7	3.8	39.3	3.3	79.0	100.6	36.4	95.7e	104.7	99.9	86.8	40.4
4	12.2	3.4	35.4	2.3	79.7	100.6	31.7	96.4e	104.4	99.0	82.4	37.4
5	11.5	3.2	31.9	1.3	82.6	100.6	30.3	97.2e	103.3	97.7	73.3	36.2
6	10.9	3.2	28.1	0.3	84.4	100.6	28.6	98.0	103.3	96.3	69.3	35.1
7	10.4	3.1	25.7	0.0	85.3	100.6	25.3e	98.0	103.3	95.3	69.3	33.4
8	9.4	2.3	23.8	0.0	88.0	100.6	24.7e	98.0	103.3	95.3	70.4	30.8
9	9.5	1.7	21.4	0.4	90.5	100.5	24.9e	98.6	103.3	95.6	76.1	30.8
10	8.4	1.5	19.5	11.0	92.2	100.1	26.9	100.6	103.6	96.3	83.3	30.8
11	7.7	1.0	17.3	21.1	92.7	100.1	31.6	100.6	104.7	94.7	87.7	30.8
12	7.9	0.6	14.6	20.9	92.7	99.5	43.4	100.4	104.7	92.7	89.6	30.6
13	7.5	0.2	12.4	19.8	92.9	96.1	47.3	99.0	104.4	92.7	92.7	29.7
14	6.8	0.0	11.5	18.7	94.0	89.9	48.5	97.4	103.3	92.1	93.8	29.4
15	7.2	0.0	11.2	16.1	94.0	83.3	49.5	95.0	103.3	90.6	97.4	28.3
16	7.1	0.0	10.1	15.8	94.2	76.5	50.0	94.0	103.3	93.7	94.7	27.5
17	6.3	0.0	9.1	14.2	94.9	69.2	52.4	94.6	103.3	96.4	92.7	26.7
18	5.7	0.0	9.0	13.7	95.6	63.1	56.5	96.9	103.3	93.8	92.7	23.7
19	5.5	0.0	7.7	13.7	96.6	58.2	64.3	98.1	103.3	97.7	92.7	21.6
20	5.7	0.0	7.6	13.6	96.6	53.8	64.8	99.0	103.0	96.9	92.1	19.9
21	6.9	0.0	8.5	13.7	96.6	51.4	67.9	100.6	102.0	98.3	89.4	19.6e
22	6.9	0.0	10.7	13.2	96.6	47.9	71.8	100.6	102.0	99.3	85.6	19.4e
23	6.8	0.0	13.2	10.9	96.9	41.3	73.0	100.6	102.0	99.3	79.0	19.1e
24	6.8	0.0	13.1	9.0	98.3	37.1	77.5	100.6	102.0	99.5	76.4	18.8e
25	6.8	0.0	11.6	10.4	99.4	34.8	80.1	100.9	102.0	100.1	71.3	18.6e
26	6.2	0.2	11.0	19.1	99.6	33.1	83.3	102.2	102.0	99.6	59.3	18.3e
27	5.6	20.4	9.7	33.9	99.7	32.6	88.0	102.8	102.0	98.0	54.4	18.1e
28	5.6	37.6	7.8	48.5	100.1	30.8	90.3	102.8	102.0	97.4	51.4	17.8
29	5.3	43.7	6.5	59.1	100.1	30.8	91.6	102.8	102.0	94.7	48.4	17.4
30	4.8		6.4	65.5	100.2	33.3	92.7	102.8	102.0	92.4	44.2	14.6
31	3.4		5.1		100.4		93.4e	102.9		91.3		10.8
Mean	8.0	4.6	17.0	15.9	92.5	72.3	55.8	98.9	103.1	96.4	79.2	26.5
Maximum	15.2	43.7	44.2	65.5	100.4	100.6	93.4	102.9	104.7	101.7	97.4	42.3
Minimum	3.4	0.0	5.1	0.0	75.4	30.8	24.7	94.0	102.0	90.6	44.2	10.8
Total	21	12	45	41	248	187	150	265	267	258	205	71

(Total flows in million cubic metres per month)

Annual statistics

Mean : 56.0 (cubic metres per second)
Maximum : 104.7 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1771 (million cubic metres)

Data availability

Original values : 350
Estimated values (Flag e) : 16
Missing values (Flag m) : 0

Comments : A few erroneous original values, but otherwise data quality good

River Shebelli at Afgoi 1973

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10.3e	0.0	0.0	0.0	0.0	51.2	11.9	30.6e	87.8e	89.4	92.5	12.9
2	8.7e	0.0	1.3	0.0	0.0	53.3	11.6	40.5e	88.2e	88.3	91.7	12.5
3	8.6e	0.0	0.6	0.0	0.0	60.6	10.8	51.0e	88.8e	87.4	90.5	12.5
4	8.6e	0.0	0.0	0.0	0.0	64.2	10.4	57.7e	88.7e	86.8	87.5	12.6
5	8.6e	0.0	0.0	0.0	0.0	67.7	8.7	61.1e	88.7e	86.2	83.0	8.4
6	8.3e	0.0	0.0	0.0	22.2	67.8	8.0	62.4e	89.1e	85.4	75.7	7.9
7	7.8e	0.0	0.0	0.0	29.8	65.7	7.8	62.7e	89.7e	84.0	65.9	7.0
8	7.2e	0.0	0.0	0.0	40.3	59.0	6.9	62.1e	90.6e	81.5	58.3	5.9
9	6.6e	0.0	0.0	0.0	45.3	49.5	6.0	60.4e	91.2e	79.9	53.7	5.4
10	6.4e	0.0	0.0	0.0	50.4	40.0	5.1	57.3e	91.6e	76.3	51.7	4.7
11	6.1e	0.0	0.0	0.0	56.1	35.5	4.4	53.8e	92.2e	73.6	50.2	3.9
12	5.7e	0.0	0.0	0.0	59.9	31.6	4.4	50.3e	92.5e	71.4	44.6	3.2
13	4.7e	0.0	0.0	0.0	57.4	28.2	4.4	47.5e	92.0e	68.2	38.4	2.8
14	4.5e	0.0	0.0	0.0	43.3	26.0	4.1	46.9e	90.8e	63.3	35.8	2.1
15	4.5e	0.0	0.0	0.0	32.6	24.8	3.9	47.4e	89.9e	59.5	33.4	1.3
16	4.4e	0.0	0.0	0.0	28.6	23.9	8.4	48.0e	90.0e	57.8	31.8	0.4
17	4.0e	0.0	0.0	0.0	26.8	20.3	9.9	50.9e	90.3e	58.2	30.1	0.0
18	3.7e	0.0	0.0	0.0	24.0	18.4	10.0e	57.0e	90.5e	65.1	28.3	0.0
19	3.3e	0.0	0.0	0.0	21.0	16.0	9.7e	63.7e	90.9e	72.4	27.1	0.0
20	3.2e	0.0	0.0	0.0	20.8	15.8	8.8e	69.2e	91.2e	80.4	25.6	0.0
21	3.1e	0.0	0.0	0.0	25.2	15.7	8.2e	72.7e	91.7e	86.2	24.0	0.0
22	2.7e	0.0	0.0	0.0	27.9	14.8	7.6e	75.2e	91.8e	89.7	22.6	0.0
23	2.0e	0.0	0.0	0.0	29.4	13.8	7.3e	76.2e	91.5e	92.3	20.9	0.0
24	1.8e	0.0	0.0	0.0	32.4	13.7	7.1e	76.7e	90.9e	93.8	19.7	0.0
25	1.4e	0.0	0.0	0.0	36.5	13.7	6.9e	77.9e	90.5e	93.8	18.6	0.0
26	1.0e	0.0	0.0	0.0	40.7	13.7	7.3e	79.7e	90.0e	94.5	17.4	0.0
27	0.8e	0.0	0.0	0.0	50.2	13.7	9.6e	81.6e	89.8e	95.3	15.9	0.0
28	0.7e	0.0	0.0	0.0	55.8	12.8	15.4e	82.7e	89.9e	96.0	14.7	0.0
29	0.3e		0.0	0.0	55.0	12.8	18.3e	83.8e	90.2e	96.9	13.7	0.0
30	0.2e		0.0	0.0	54.8	12.7	20.4e	85.4e	90.0e	96.4	13.7	0.0
31	0.1e		0.0		54.2		24.3e	86.9e		94.3		0.0
Mean	4.5	0.0	0.1	0.0	32.9	31.9	9.3	63.2	90.4	82.1	42.6	3.3
Maximum	10.3	0.0	1.3	0.0	59.9	67.8	24.3	86.9	92.5	96.9	92.5	12.9
Minimum	0.1	0.0	0.0	0.0	0.0	12.7	3.9	30.6	87.8	57.8	13.7	0.0
Total	12	0	0	0	88	83	25	169	234	220	110	9

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	30.1	(cubic metres per second)
Maximum	:	96.9	(cubic metres per second)
Minimum	:	0.0	(cubic metres per second)
Total	:	951	(million cubic metres)

Data availability

Original values	:	259
Estimated values (Flag e)	:	106
Missing values (Flag m)	:	0

Comments : Original data missing for approximately 3 months; otherwise quality good

River Shebelli at Afgoi 1974

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	31.7	80.4	54.0	76.1	89.9	86.9	34.3	12.1
2	0.0	0.0	0.0	0.0	29.4	75.1	51.8	68.7	89.0	86.0	32.9	11.0
3	0.0	0.0	0.0	0.0	26.0	62.9	49.0	63.5	88.3	86.4	32.1	9.8
4	0.0	0.0	0.0	0.0	23.5	51.6	45.7	59.0	88.8	86.4	31.1	7.7
5	0.0	0.0	0.0	0.0	21.6	43.8	41.3	56.8	88.7	86.6	29.4	7.6
6	0.0	0.0	0.0	0.0	19.9	36.8	37.9	54.6	88.7	87.3	28.2	6.7
7	0.0	0.0	0.0	0.0	17.4	32.7	37.4	56.2	88.7	88.2	26.3	6.1
8	0.0	0.0	0.0	0.0	14.0	29.6	36.5	63.3	88.7	88.5	25.9	4.2
9	0.0	0.0	0.0	0.0	12.7	26.4	35.4	71.6	88.7	88.7	25.1	2.8
10	0.0	0.0	0.0	9.8	12.3	23.5	34.8	77.7	88.7	89.2	24.2	2.4
11	0.0	0.0	0.0	51.9	12.5	39.4	34.2	81.6	88.7	89.6	23.4	1.9
12	0.0	0.0	0.0	67.5	12.7	58.3	34.5	85.8	88.7	89.4	21.7	2.0
13	0.0	0.0	0.0	72.3	15.1	69.4	35.3	87.2	89.4	89.4	21.5	1.2
14	0.0	0.0	0.0	75.6	18.1	75.8	35.1	87.2	89.2	89.7	20.0	0.4
15	0.0	0.0	0.0	77.1	20.1	78.8	34.3	87.0	88.9	88.4	18.9	0.0
16	0.0	0.0	0.0	78.2	18.4	78.1	33.0	86.9	88.7	82.5	18.8	0.0
17	0.0	0.0	0.0	79.0	15.3	75.8	33.1	86.5	88.7	76.6	19.8	0.6
18	0.0	0.0	0.0	78.9	14.6	72.3	42.6	86.6	88.9	73.1	19.5	0.5
19	0.0	0.0	0.0	76.6	17.4	67.5	54.9	87.6	89.8	69.0	19.9	0.0
20	0.0	0.0	0.0	73.2	24.3	60.4	62.1	88.9	90.4	63.5	19.6	0.0
21	0.0	0.0	0.0	66.8	39.0	62.1	69.4	89.7	91.2	61.3	19.0	0.0
22	0.0	0.0	0.0	60.8	56.9	62.1	76.7	91.2	92.3	58.9	18.7	0.0
23	0.0	0.0	0.0	55.4	67.2	55.9	80.5	92.0	92.1	56.3	18.7	0.0
24	0.0	0.0	0.0	54.6	73.7	51.5	84.1	92.6	91.9	54.2	17.7	0.0
25	0.0	0.0	0.0	53.3	78.3	48.1	86.4	92.7	91.9	51.6	16.6	0.0
26	0.0	0.0	0.0	50.4	80.0	45.3	88.6	92.9	92.0	49.0	15.5	0.0
27	0.0	0.0	0.0	47.1	82.2	42.8	89.8	93.9	91.9	46.6	14.6	0.0
28	0.0	0.0	0.0	42.8	83.7	47.7	90.0	94.3	91.7	44.0	14.6	0.0
29	0.0		0.0	38.3	85.2	53.4	89.1	93.6	90.1	41.2	14.1	0.0
30	0.0		0.0	34.7	85.5	57.1	87.2	92.7	88.4	38.9	13.1	0.0
31	0.0		0.0		82.9		83.8	91.6		36.3		0.0
Mean	0.0	0.0	0.0	41.5	38.4	55.5	56.4	81.6	89.8	71.7	21.8	2.5
Maximum	0.0	0.0	0.0	79.0	85.5	80.4	90.0	94.3	92.3	89.7	34.3	12.1
Minimum	0.0	0.0	0.0	0.0	12.3	23.5	33.0	54.6	88.3	36.3	13.1	0.0
Total	0	0	0	108	103	144	151	219	233	192	57	7

(Total flows in million cubic metres per month)

Annual statistics

Mean : 38.4 (cubic metres per second)
Maximum : 94.3 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1212 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments :

River Shebelli at Afgoi 1975

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	46.0	74.6	12.0	81.3	98.4	96.4	56.8	11.1
2	0.0	0.0	0.0	0.0	43.1	75.7	13.6	85.8	98.6	96.4	56.6	10.8
3	0.0	0.0	0.0	0.0	40.9	76.5	13.6	87.6	98.8	96.1	56.2	10.4
4	0.0	0.0	0.0	0.0	33.7	74.5	11.9	87.1	98.8	96.1	53.3	9.8
5	0.0	0.0	0.0	0.0	32.0	71.3	10.0	87.5	98.8	96.3	50.2	8.6
6	0.0	0.0	0.0	0.0	30.9	67.0	10.7	88.6	98.5	96.4	47.8	8.0
7	0.0	0.0	0.0	0.0	30.3	64.6	12.3	90.5	98.3	96.6	45.3	7.5
8	0.0	0.0	0.0	0.0	38.7	68.3	20.5	91.4	98.3	97.1	42.6	7.1
9	0.0	0.0	0.0	0.0	37.6	71.2	27.8	92.1	98.2	97.4	41.1	6.2
10	0.0	0.0	0.0	0.0	32.9	71.8	28.6	92.7	97.3	97.7	38.0	5.8
11	0.0	0.0	0.0	0.0	30.2	71.9	28.6	93.9	97.7	97.9	27.7	5.7
12	0.0	0.0	0.0	0.0	26.1	71.8	28.6	94.0	97.6	96.6	18.2	5.4
13	0.0	0.0	0.0	0.0	24.3	54.2	28.6	94.7	97.4	95.9	13.9	5.3
14	0.0	0.0	0.0	0.0	24.5	55.9	28.7	94.8	97.4	94.4	13.7	5.3
15	0.0	0.0	0.0	0.0	30.1	49.8	30.7	94.8	97.3	92.7	13.4	4.5
16	0.0	0.0	0.0	0.0	38.7	42.6	32.9	95.3	97.2	90.8	13.3	4.3
17	0.0	0.0	0.0	0.0	42.1	35.5	32.9	95.3	97.1	88.5	13.1	4.3
18	0.0	0.0	0.0	0.0	42.3	26.9	31.0	95.4	96.9	86.9	13.1	4.1
19	0.0	0.0	0.0	0.0	41.6	20.5	29.7	96.5	96.7	85.4	17.0	4.0e
20	0.0	0.0	0.0	0.0	37.7	19.8	28.6	96.6	96.7	84.1	19.7	4.1e
21	0.0	0.0	0.0	0.0	33.7	17.9	27.6	96.7	96.9	80.8	17.9	4.2e
22	0.0	0.0	0.0	0.0	37.7	15.9	28.8	96.9	96.7	75.4	16.0	4.2e
23	0.0	0.0	0.0	0.0	43.7	14.7	35.3	97.4	96.9	73.7	15.7	4.1e
24	0.0	0.0	0.0	0.0	57.5	13.2	45.2	97.4	97.1	71.5	15.1	3.7e
25	0.0	0.0	0.0	0.0	65.1	17.3	51.7	97.4	96.9	67.0	13.8	3.4e
26	0.0	0.0	0.0	7.3	67.9	17.7	57.6	97.4	96.9	62.0	11.9	3.4e
27	0.0	0.0	0.0	32.2	68.0	15.7	60.1	97.4	97.1	60.0	11.4	3.2e
28	0.0	0.0	0.0	50.6	68.1	12.0	64.1	97.4	96.9	57.7	10.8	3.2e
29	0.0		0.0	52.9	69.8	10.1	69.1	97.4	96.9	56.8	10.1	3.1e
30	0.0		0.0	49.2	72.3	11.6	74.6	97.5	96.8	56.8	10.0	3.1e
31	0.0		0.0		73.5		77.7	97.7		56.8		3.0e
Mean	0.0	0.0	0.0	6.4	43.9	43.7	34.0	93.8	97.5	83.8	26.1	5.5
Maximum	0.0	0.0	0.0	52.9	73.5	76.5	77.7	97.7	98.8	97.9	56.8	11.1
Minimum	0.0	0.0	0.0	0.0	24.3	10.1	10.0	81.3	96.7	56.8	10.0	3.0
Total	0	0	0	17	118	113	91	251	253	225	68	15

(Total flows in million cubic metres per month)

Annual statistics

Mean : 36.4 (cubic metres per second)
Maximum : 98.8 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1149 (million cubic metres)

Comments :

Data availability

Original values : 352
Estimated values (Flag e) : 13
Missing values (Flag m) : 0

River Shebelli at Afgoi 1976

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.5e	0.0e	0.0e	0.0e	85.7	98.0	71.8	83.7	98.8	98.0	38.4	74.5
2	2.1e	0.0e	0.0e	0.0e	85.0	98.0	71.8	83.7	99.0	98.0	38.8	72.1
3	1.6e	0.0e	0.0e	0.0e	84.4	98.0	71.0	84.2	99.1	98.0	40.6	71.7
4	1.2e	0.0e	0.0e	0.0e	83.1	98.0	57.6	84.2	99.6	97.7	45.7	68.1
5	1.0e	0.0e	0.0e	0.0e	75.7	98.0	53.5	84.2	100.0	97.4	47.1	63.2
6	1.0e	0.0e	0.0e	0.0e	71.0	98.0	50.6	84.2	99.2	97.4	47.4	56.6
7	0.9e	0.0e	0.0e	0.0e	63.8	97.9	47.3	84.3	99.5	97.4	44.2	53.7
8	0.7e	0.0e	0.0e	0.0e	62.7	97.5	47.1	84.1	99.6	97.3	38.3	52.3
9	0.5e	0.0e	0.0e	0.0e	62.2	96.9	46.8	82.8	99.6	95.4	32.5	50.2
10	0.3e	0.0e	0.0e	0.0e	61.7	96.4	42.8	81.6	99.6	92.7	30.0	46.1
11	0.0e	0.0e	0.0e	0.0e	62.9	96.3	42.4	80.7	99.6	88.1	37.1	41.4
12	0.0e	0.0e	0.0e	0.0e	64.2	95.4	43.9	80.7	99.6	83.2	50.2	38.3
13	0.0e	0.0e	0.0e	0.0e	69.3	94.8	43.4	83.2	99.6	80.4	60.1	36.1
14	0.0e	0.0e	0.0e	0.0e	74.5	94.3	43.6	84.9	99.6	77.8	65.0	32.6
15	0.0e	0.0e	0.0e	0.0e	84.6	94.2	42.8	87.7	99.6	76.5	66.7	29.7
16	0.0e	0.0e	0.0e	0.0e	89.3	94.0	42.5	88.4	99.6	76.1	68.4	28.2
17	0.0e	0.0e	0.0e	0.0e	92.7	94.2	40.2	89.7	99.6	72.1	70.0	28.4
18	0.0e	0.0e	0.0e	0.0e	92.7	94.2	39.3	91.7	99.6	68.1	71.0	27.6
19	0.0e	0.0e	0.0e	2.5e	94.0	94.2	40.1	92.3	99.6	63.2	74.5	27.4
20	0.0e	0.0e	0.0e	25.4e	94.7	93.8	45.8	92.6	99.6	59.4	75.9	25.8
21	0.0e	0.0e	0.0e	40.7	95.3	94.2	51.1	93.9	99.5	56.4	75.4	23.3
22	0.0e	0.0e	0.0e	61.3	96.3	94.1	61.2	95.4	98.8	51.0	73.2	23.1
23	0.0e	0.0e	0.0e	72.8	96.9	91.0	70.9	96.1	98.5	46.2	72.6	22.3
24	0.0e	0.0e	0.0e	78.9	96.9	83.5	73.0	96.4	98.5	43.3	72.8	22.0
25	0.0e	0.0e	0.0e	81.7	97.4	68.2	76.5	96.4	98.5	45.7	73.5	21.0
26	0.0e	0.0e	0.0e	84.6	97.4	64.4	79.1	96.4	98.5	46.6	75.5	19.9
27	0.0e	0.0e	0.0e	84.6	97.4	63.3	78.5	97.3	98.5	45.1	76.9	18.7
28	0.0e	0.0e	0.0e	84.8	97.4	62.4	79.9	97.4	98.5	44.7	77.0	17.4
29	0.0e	0.0e	0.0e	84.8	97.5	70.4	80.0	97.6	98.0	44.7	77.0	14.9
30	0.0e		0.0e	84.8	97.9	71.8	82.0	98.4	98.0	44.6	76.8	13.2
31	0.0e		0.0e		98.0		82.9	98.5		42.5		11.9
Mean	0.4	0.0	0.0	26.2	84.6	89.5	58.0	89.4	99.2	71.8	59.8	36.5
Maximum	2.5	0.0	0.0	84.8	98.0	98.0	82.9	98.5	100.0	98.0	77.0	74.5
Minimum	0.0	0.0	0.0	0.0	61.7	62.4	39.3	80.7	98.0	42.5	30.0	11.9
Total	1	0	0	68	227	232	155	240	257	192	155	98

(Total flows in million cubic metres per month)

Annual statistics

Mean : 51.4 (cubic metres per second)
Maximum : 100.0 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1625 (million cubic metres)

Data availability

Original values : 255
Estimated values (Flag e) : 111
Missing values (Flag m) : 0

Comments : No original data available until April, but river known to be dry for most of this period

River Shebelli at Afgoi 1977

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	15.4	8.0	8.2	6.2	102.5	101.5	32.6	94.0e	98.0	92.7	96.6	105.5e
2	14.5	8.0	8.8	7.0	102.8	95.2	32.9	95.3e	98.0	92.7	96.6	105.5e
3	13.8	8.0	7.6	7.9	102.9	80.1	35.5	96.1e	97.9	92.7	96.6	105.5e
4	12.8	8.0	8.8	8.4	103.8	70.6	39.7	96.5e	97.5	92.7	96.6	105.5e
5	11.9	7.9	18.0	8.0	103.9	67.5	34.1	96.8e	97.4	92.7	96.6	105.5e
6	11.7	6.3	22.4	7.9	103.8	66.7	34.3	97.0e	97.4	93.6	96.6	105.5e
7	10.9	6.1	24.5	10.8	103.4	66.8	35.1	97.3e	96.4	93.7	96.6	105.5e
8	10.8	5.4	24.1	17.7	103.1	67.1	36.6	96.9e	95.4	94.0	96.7	105.5e
9	10.8	5.3	23.0	19.7	103.1	66.4	38.7	96.4e	95.3	94.0	97.4	105.5e
10	10.8	4.5	19.1	19.7	103.1	63.3	40.0	96.0e	95.3	94.0	97.9	105.5e
11	10.8	5.0	16.2	17.1	103.3	62.2	42.2	95.8e	95.3	94.0	98.0	105.5e
12	10.8	13.9	17.5	17.6	103.3	59.8	43.5	95.2e	95.3	94.0	98.0	105.5e
13	10.8	14.9	15.8	16.9	103.3	59.5	45.1	95.2e	95.3	94.5	98.0	105.5e
14	10.8	13.4	13.9	16.0	103.3	61.6	45.9	95.5e	95.3	95.2	98.0	104.5e
15	10.8	12.6	13.3	28.4	102.8	63.1	46.6	95.7e	95.3	95.3	98.0	103.5e
16	10.4	12.4	11.9	50.4	102.8	65.2	47.1	96.0e	95.3	95.3	98.0	102.2e
17	9.9	11.7	10.9	70.6	102.6	66.1	48.3	95.6e	95.3	95.3	98.5	100.8e
18	9.9	10.2	10.6	83.3	102.5	66.7	53.9	95.7e	95.3	95.3	98.5	99.2e
19	9.9	13.4	10.5	92.4	102.2	66.3	56.6	96.6e	95.3	95.8	98.5	97.3e
20	9.8	14.5	9.1	95.2	101.5	65.8	57.0	97.5e	95.2	95.9	98.6	96.0e
21	9.2	14.5	8.7	95.4	101.2	65.5	57.3	98.1e	94.1	96.3	100.2	94.9e
22	9.1	13.8	8.0	97.5	100.9	64.8	58.4	98.3e	94.0	96.4	101.2	89.7e
23	9.1	13.8	7.1	97.7	100.7	61.2	65.7	98.9e	94.0	96.4	102.0	78.7e
24	9.0	14.1	5.8	98.4	100.6	58.9	73.8	99.0e	94.0	96.4	103.0	68.8e
25	8.1	14.0	4.1	98.6	100.6	49.8	77.7	98.6e	93.9	96.4	103.6	67.0e
26	7.9	12.0	2.8	99.7	100.3	45.2	82.9	98.2e	92.8	96.4	104.4	65.8e
27	7.2	11.7	1.5	100.4	100.6	41.8	86.5	98.2e	92.7	96.6	104.9	62.9e
28	7.1	10.3	2.0	100.7	100.6	37.5	91.1	98.0e	92.7	96.6	105.2	57.8e
29	7.1		2.6	101.6	100.6	34.5	92.7	97.4e	92.7	96.6	105.5	55.7e
30	7.9		6.7	102.2	101.1	32.8	93.6	97.9e	92.7	96.6	105.5	54.9e
31	8.0		7.1e		101.7		93.7	98.1e		96.6		47.2e
Mean	10.2	10.5	11.3	53.1	102.2	62.5	55.4	96.8	95.2	95.0	99.5	90.9
Maximum	15.4	14.9	24.5	102.2	103.9	101.5	93.7	99.0	98.0	96.6	105.5	105.5
Minimum	7.1	4.5	1.5	6.2	100.3	32.8	32.6	94.0	92.7	92.7	96.6	47.2
Total	27	25	30	138	274	162	149	259	247	254	258	244

(Total flows in million cubic metres per month)

Annual statistics

Mean : 65.5 (cubic metres per second)
Maximum : 105.5 (cubic metres per second)
Minimum : 1.5 (cubic metres per second)
Total : 2067 (million cubic metres)

Data availability

Original values : 302
Estimated values (Flag e) : 63
Missing values (Flag m) : 0

Comments : About two months original data unavailable

River Shebelli at Afgoi 1978

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	45.7e	19.4e	14.3e	60.3e	49.9e	69.4	14.7	81.1	95.4	100.6	103.4	61.0
2	44.2e	18.6e	14.3e	55.2e	56.2e	68.1	14.7	81.7	96.5	100.6	103.9	59.8
3	42.7e	17.6e	15.5e	53.3e	72.8e	66.8	14.5	83.3	96.7	100.6	104.3	59.5
4	41.1e	16.7e	15.6e	51.5e	80.7e	65.6	13.8	84.9	96.9	100.6	105.3	58.6
5	39.6e	16.2e	14.3e	47.5e	81.7e	64.8	13.7	89.7	96.9	100.6	105.5	54.9
6	38.1e	16.1e	14.1e	45.0e	69.0	63.8	13.4	92.4	96.9	100.6	106.0	52.7
7	35.3e	16.2e	14.0e	43.7e	63.5	62.3	13.0	92.7	96.9	100.6	106.0	49.0
8	34.1e	16.4e	14.0e	41.2e	61.9	60.6	13.0	93.9	97.4	100.6	106.0	44.4
9	33.2e	16.4e	15.2e	39.9e	62.2	59.3	12.9	94.0	97.4	100.7	106.2	42.4
10	32.1e	16.1e	32.5e	38.9e	61.6	56.9	11.8	94.1	97.4	101.9	108.5	41.2
11	31.8e	16.1e	47.9e	38.7e	61.9	54.2	10.9	95.2	97.4	102.1	108.6	39.8
12	32.2e	16.0e	53.1e	37.7e	65.2	47.5	10.8	95.3	97.4	103.2	106.3	38.8
13	32.4e	15.8e	60.5e	37.4e	66.8	42.7	10.4	95.3	97.4	103.3	106.5	37.8
14	31.8e	15.6e	65.5e	37.3e	69.3	40.0	9.9	95.3	97.4	103.4	106.5	37.7
15	31.0e	15.4e	65.6e	36.7e	74.3	36.8	10.1	95.3	97.5	104.6	105.0	37.7
16	29.8e	15.2e	63.6e	37.2e	81.8	35.3	13.5	95.3	97.9	104.7	103.0	37.6
17	28.2e	14.9e	65.2e	43.3e	88.3	33.2	15.8	95.3	98.0	104.9	95.3	37.2
18	27.1e	14.9e	69.2e	48.3e	92.3	31.0	19.7	95.3	98.5	105.2	91.0	37.2
19	26.7e	14.9e	86.0e	48.1e	92.7	30.3	23.8	95.3	98.5	105.2	88.8	37.2
20	26.6e	14.7e	89.3e	47.9e	92.7	29.0	40.5	95.3	98.7	105.5	86.5	36.5
21	26.3e	14.5e	88.6e	47.3e	92.7	26.2	44.6	95.3	98.8	106.0	84.3	35.8
22	25.7e	14.3e	88.8e	45.5e	92.7	25.1	64.6	95.3	100.1	106.0	83.1	34.8
23	24.4e	14.2e	88.5e	43.5e	92.7	23.2	68.0	95.3	100.4	105.9	82.2	33.1
24	23.2e	14.1e	87.0e	41.4e	92.6	21.0	69.3	95.3	100.6	103.5	80.3	31.7
25	22.4e	14.1e	84.6e	40.1e	90.8	19.0	70.5	95.3	100.6	102.1	79.0	30.8
26	21.4e	14.1e	77.3e	43.5e	80.4	17.9	71.3	95.3	100.6	102.1	77.7	29.7
27	20.8e	14.2e	72.2e	46.7e	74.9	17.8	71.9	95.3	100.6	103.2	74.0	28.6
28	20.4e	14.3e	68.0e	47.4e	74.4	16.8	74.4	95.3	100.6	103.3	70.7	27.5
29	19.7e		66.2e	48.0e	73.8	15.8	78.0	95.3	100.6	103.3	66.9	26.8
30	19.5e		64.5e	49.3e	72.0	14.8	79.5	95.3	100.6	103.3	62.5	25.9
31	19.7e		61.4e		70.6		80.7	95.3		103.3		24.3
Mean	29.9	15.6	54.1	44.7	75.9	40.5	34.6	93.2	98.4	103.0	93.8	39.7
Maximum	45.7	19.4	89.3	60.3	92.7	69.4	80.7	95.3	100.6	106.0	108.6	61.0
Minimum	19.5	14.1	14.0	36.7	49.9	14.8	9.9	81.1	95.4	100.6	62.5	24.3
Total	80	38	145	116	203	105	93	250	255	276	243	106

(Total flows in million cubic metres per month)

Annual statistics

Mean : 60.5 (cubic metres per second)
Maximum : 108.6 (cubic metres per second)
Minimum : 9.9 (cubic metres per second)
Total : 1909 (million cubic metres)

Data availability

Original values : 240
Estimated values (Flag e) : 125
Missing values (Flag m) : 0

Comments : Original data very dubious to May; thereafter remains of somewhat doubtful quality

River Shebelli at Afgoi 1979

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	23.0	20.0	33.2e	73.9	79.1	103.0	76.8	59.4	112.7	49.3	61.5e	23.9e
2	22.1	23.1	33.0e	80.9	78.9	103.2	75.4	59.3	112.7	47.0	73.6e	22.0e
3	22.0	26.8	34.5e	82.7	77.1	104.5	69.6	61.1	111.5	46.5	85.4e	20.8e
4	22.0	29.1	41.4e	85.9	76.5	104.8	66.9	67.4	109.3	56.4	90.8e	19.9e
5	22.0	32.4	49.5e	89.0	75.2	105.9	65.6	73.4	103.4	59.8	92.9e	19.0e
6	21.1	39.5	53.6e	87.3	71.4	106.0	64.2	75.6	98.1	62.0	93.7e	18.0e
7	20.9	46.2	54.3e	84.2	65.8	106.1	61.9	77.4	88.5	63.6	93.8e	17.2e
8	20.0	52.3	52.0e	78.7	60.8	108.0	59.8	83.2	76.3	68.2	94.1e	16.8e
9	20.5e	57.7	49.1e	74.0	54.8	108.2	57.0	89.1	69.1	69.1	94.3e	16.3e
10	19.8e	64.8	52.2e	71.3	52.0	108.2	55.6	93.8	65.6	66.1	94.8e	15.9e
11	18.9e	71.7	45.0e	69.4	50.7	108.2	54.9	99.5	61.8	63.7	95.6e	16.7e
12	18.4e	79.7	41.4e	68.2	49.6	108.7	54.4	100.6	58.8	61.6	90.4e	16.2e
13	18.1e	82.2	35.7e	69.8	49.4	108.7	53.5	100.3	56.1	57.6e	76.5e	14.9e
14	17.6e	83.7	33.0e	72.1	48.4	108.8	46.4	98.2	52.9	57.6e	65.6e	14.0e
15	17.4e	84.4	31.3e	76.0	48.2	110.0	43.2	96.6	50.2	61.1e	59.9e	13.6e
16	17.2e	81.5	30.1e	78.0	45.8	110.1	42.3	93.0	48.0	63.3e	54.7e	13.2e
17	16.9e	76.7	28.6e	80.5	43.8	110.1	41.1	95.1	45.8	62.5e	50.7e	12.6e
18	16.8e	65.6e	25.7e	78.4	39.6	109.3	39.0	96.7	43.1	59.0e	50.2e	12.2e
19	16.5e	60.3e	24.2e	74.0	35.4	107.4	37.8	98.6	42.0	55.5e	49.6e	12.0e
20	16.2e	55.6e	23.3e	71.3	35.2	106.8	37.7	101.2	39.7	52.3e	47.5e	11.7e
21	16.2e	50.9e	22.2e	69.9	52.0	101.8	37.8	102.7	40.3	48.1e	45.8e	11.3e
22	16.2e	47.7e	22.0e	72.0	74.6	99.0	41.7	103.9	43.9	44.4e	44.4e	10.9e
23	15.8e	42.5e	19.9e	72.1	88.2	97.5	48.8	106.6	46.6	41.4e	42.6e	10.5e
24	15.8e	40.5e	18.5e	73.1	95.5	96.7	59.2	107.4	50.0	38.8e	39.8e	10.2e
25	15.3e	38.8e	17.6e	74.9	98.6	95.9	69.2	107.4	55.1	37.5e	36.0e	9.9e
26	15.3e	37.1e	16.6e	76.9	101.8	95.3	72.8	107.6	58.7	40.3e	32.5e	9.7e
27	15.3e	35.6e	17.3e	78.2	102.7	94.0	71.8	109.2	57.5	60.0e	30.2e	9.3e
28	15.0e	34.5e	38.8e	79.0	102.8	91.8	67.7	110.1	55.4	71.8e	28.2e	8.8e
29	14.6e		54.1e	79.5	102.8	84.0	64.3	110.8	54.1	66.5e	26.6e	8.4e
30	14.2e		64.7e	80.0	102.9	78.6	63.5	110.9	51.8	60.8e	25.5e	8.0e
31	13.8e		70.8e		102.8		61.0	111.5		59.1e		7.8e
Mean	17.9	52.2	36.6	76.7	69.8	102.7	56.8	93.8	65.3	56.5	62.2	13.9
Maximum	23.0	84.4	70.8	89.0	102.9	110.1	76.8	111.5	112.7	71.8	95.6	23.9
Minimum	13.8	20.0	16.6	68.2	35.2	78.6	37.7	59.3	39.7	37.5	25.5	7.8
Total	48	126	98	199	187	266	152	251	169	151	161	37

(Total flows in million cubic metres per month)

Annual statistics

Mean : 58.6 (cubic metres per second)
Maximum : 112.7 (cubic metres per second)
Minimum : 7.8 (cubic metres per second)
Total : 1846 (million cubic metres)

Data availability

Original values : 220
Estimated values (Flag e) : 145
Missing values (Flag m) : 0

Comments : Data quality suspect throughout the Shebelli this year

River Shebelli at Afgoi 1980

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	7.6e	4.0e	0.4e	0.0	37.3	54.8	10.6	29.8	58.7	52.2	38.8	3.6
2	7.3e	3.8e	0.5e	0.0	29.6	49.9	10.1	29.7	59.3	50.8	38.2	2.5
3	6.9e	3.6e	0.4e	0.0	21.4	48.7	9.6	29.7	59.6	50.7	37.0	1.2
4	6.6e	3.6	0.2e	0.0	18.4	46.0	8.9	31.5	65.3	50.3	33.6	0.2
5	6.5e	3.3	0.1e	0.0	16.9	41.1	8.1	36.5	68.2	48.9	29.2	1.9
6	6.4e	2.7	0.0e	0.0	18.0	33.5	7.9	43.8	74.2	45.5	28.1	3.2
7	6.4e	2.5	0.0e	0.0	20.7	31.9	7.1	54.2	75.6	43.0	27.4	4.1
8	6.5e	2.1	0.0e	0.0	21.5	30.6	7.0	57.4	75.0	40.7	25.9	2.8
9	6.4e	2.0	0.0e	0.0	30.1	27.9	8.4	63.2	74.9	38.5	24.2	1.6
10	6.0e	2.0	0.0e	0.0	47.9	25.3	8.5	68.4	74.7	36.0	23.2	0.1
11	5.9e	1.6	0.0e	0.0	64.2	23.0	6.9	72.3	74.8	34.2	22.5	0.0
12	6.0e	1.3	0.0	0.0	71.5	21.3	6.1	74.3	69.6	39.4	22.9	0.0
13	6.0e	1.3	0.0	0.0	77.9	19.9	5.3	74.9	63.7	42.8	23.1	0.0
14	5.9e	1.4	0.0	0.0	82.5	17.4	3.8	75.5	55.8	47.0	23.1	0.0
15	6.1e	2.0	0.0	0.0	85.9	13.5	3.6	74.2	49.1	52.5	23.1	0.0
16	6.9e	2.0	0.0	0.0	87.2	10.2	3.4	73.2	39.7	50.7	22.5	0.0
17	7.3e	2.0	0.0	0.0	85.8	11.5	3.1	73.2	39.5	46.8	21.1	0.0
18	7.2e	2.0	0.0	0.0	84.8	19.6	4.2	73.9	42.8	44.7	20.7	0.0
19	6.9e	2.0	0.0	0.0	83.8	22.2	3.3	75.6	47.8	43.1	14.0	0.0
20	6.6e	1.7	0.0	0.0	84.1	23.3	9.1	76.9	54.0	42.5	12.7e	0.0
21	6.4e	1.0	0.0	0.0	86.9	24.0	11.8	77.0	60.6	45.2	12.2	0.0
22	6.2e	0.1	0.0	0.0	88.8	21.9	15.2	76.9	69.3	48.7	11.4	0.0
23	5.9e	0.0e	0.0	0.0	89.5	19.8	21.0	75.0	73.3	49.4	10.3	0.0
24	5.7e	0.0e	0.0	0.0	88.7	17.7	23.4	65.2	77.3	49.5	17.9	0.0
25	5.6e	0.0e	0.0	0.0	86.6	15.3	25.1	51.7	75.6	49.3	17.2	0.0
26	5.3e	0.0e	0.0	0.0	84.8	12.0	26.6	42.8	70.3	46.2	13.4	0.0
27	5.1e	0.1e	0.0	0.0	83.0	11.4	30.3	41.2	66.8	44.6	9.5	0.0
28	4.8e	0.1e	0.0	1.5	81.9	10.7	36.1	40.0	61.1	40.8	6.0	0.0
29	4.6e	0.3e	0.0	16.3	77.3	10.3	33.7	38.9	58.1	38.9	4.5	0.0
30	4.4e		0.0	35.2	71.6	10.6	31.0	40.0	56.2	38.8	4.3	0.0
31	4.3e		0.0		63.7		30.7	50.6		38.8		0.0
Mean	6.1	1.7	0.1	1.8	63.6	24.2	13.5	57.7	63.0	44.9	20.6	0.7
Maximum	7.6	4.0	0.5	35.2	89.5	54.8	36.1	77.0	77.3	52.5	38.8	4.1
Minimum	4.3	0.0	0.0	0.0	16.9	10.2	3.1	29.7	39.5	34.2	4.3	0.0
Total	16	4	0	5	170	63	36	154	163	120	53	2

(Total flows in million cubic metres per month)

Annual statistics

Mean : 24.9 (cubic metres per second)
Maximum : 89.5 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 788 (million cubic metres)

Data availability

Original values : 313
Estimated values (Flag e) : 53
Missing values (Flag m) : 0

Comments : Early end to Der flood season: river dry before the end of the year

River Shebelli at Afgoi 1981

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	77.7	87.4	88.7	39.9	37.0	88.8	87.4	86.1	30.8
2	0.0	0.0	0.0	76.9	88.3	88.7	41.0	39.9	88.7	87.4	86.0	30.8
3	0.0	0.0	0.0	75.4	88.0	88.7	40.1	42.0	88.7	87.4	85.2	30.8
4	0.0	0.0	0.0	74.5	87.9	88.7	40.0	41.2	89.4	87.4	82.1	30.8
5	0.0	0.0	0.0	74.4	87.9	88.6	40.0	40.1	89.5	87.4	75.3	30.7
6	0.0	0.0	0.0	73.9	87.9	88.0	40.0	40.2	89.4	87.4	69.8	29.7
7	0.0	0.0	0.0	73.3	87.4	86.9	39.9	43.8	88.8	87.3	69.1	28.7
8	0.0	0.0	0.0	73.1	87.4	80.0	38.9	45.8	88.7	86.2	65.9	28.5
9	0.0	0.0	0.0	73.1	86.9	73.6	37.8	46.0	88.7	86.1	65.5	27.5
10	0.0	0.0	0.0	73.2	87.9	69.5	37.6	47.0	88.7	86.0	65.5	26.4
11	0.0	0.0	0.0	74.3	88.6	68.0	36.6	47.1	88.9	85.0	65.5	25.9
12	0.0	0.0	0.0	75.3	88.7	65.6	36.5	48.4	88.9	85.9	65.3	25.3
13	0.0	0.0	0.0	75.8	88.7	62.0	36.4	54.6	88.7	86.1	62.1	24.3
14	0.0	0.0	0.0	78.3	88.7	60.4	35.4	63.7	88.7	86.1	61.3	24.1
15	0.0	0.0	0.0	79.0	88.7	57.0	34.9	73.7	88.7	86.1	63.9	22.2
16	0.0	0.0	0.0	78.3	88.7	54.5	34.9	79.7	88.7	86.1	64.7	21.0
17	0.0	0.0	0.0	77.1	88.7	53.2	34.9	84.5	88.7	86.8	63.1	20.0
18	0.0	0.0	0.0	77.3	88.7	51.4	34.9	86.0	88.7	86.9	60.6	20.0
19	0.0	0.0	0.0	78.2	88.4	48.5	34.2	86.8	88.7	86.9	59.4	21.9
20	0.0	0.0	0.0	79.7	87.9	47.1	33.2	87.4	88.4	86.9	58.8	23.1
21	0.0	0.0	0.0	82.2	87.4	46.0	33.1	88.6	88.0	87.3	50.8	24.3
22	0.0	0.0	0.0	83.4	87.1	45.8	34.4	89.4	87.9	87.4	49.5	28.1
23	0.0	0.0	0.0	84.3	86.9	44.8	35.3	89.4	87.9	87.4	47.1	27.6
24	0.0	0.0	0.0	85.0	86.9	44.7	35.4	88.8	87.9	87.4	42.6	27.4
25	0.0	0.0	46.2	86.0	86.9	44.1	35.3	88.7	87.4	87.4	41.2	26.4
26	0.0	0.0	66.8	86.1	86.3	42.0	34.3	88.7	87.3	87.4	40.1	25.4
27	0.0	0.0	74.9	86.1	86.6	41.6	34.1	88.7	86.4	86.9	39.8	25.1
28	0.0	0.0	76.6	86.1	87.2	37.7	33.2	88.7	86.1	86.9	36.6	23.3
29	0.0		77.0	86.1	87.4	37.7	33.1	88.7	86.8	86.8	32.0	23.1
30	0.0		78.2	87.3	87.9	38.8	33.1	88.7	87.3	86.1	30.8	23.1
31	0.0		78.4		88.6		34.5	89.4		86.1		23.7
Mean	0.0	0.0	16.1	79.0	87.8	61.1	36.2	68.2	88.3	86.8	59.5	25.8
Maximum	0.0	0.0	78.4	87.3	88.7	88.7	41.0	89.4	89.5	87.4	86.1	30.8
Minimum	0.0	0.0	0.0	73.1	86.3	37.7	33.1	37.0	86.1	85.0	30.8	20.0
Total	0	0	43	205	235	158	97	183	229	232	154	69

(Total flows in million cubic metres per month)

Annual statistics

Mean : 50.9 (cubic metres per second)
Maximum : 89.5 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1606 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments : Both flood seasons very extended after a three month drought

River Shebelli at Afgoi 1982

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	24.3	14.7	10.9	18.8	92.6	94.2	43.5	52.1	94.0	83.5	88.7	95.2
2	26.1	14.7	10.8	18.3	92.7	94.8	43.5	51.9	94.7	83.4	88.8	95.3
3	25.4	14.7	9.9	17.9	93.9	95.3	42.8	51.9	94.8	81.6	89.9	95.3
4	25.3	14.7	8.9	17.7	94.0	95.3	38.6	52.2	94.8	74.3	90.1	95.2
5	25.3	14.7	8.1	16.6	94.2	95.3	37.7	53.5	94.8	70.2	91.2	94.0
6	25.3	14.7	8.0	15.8	94.7	95.5	37.5	55.7	94.7	68.7	92.4	92.8
7	25.2	14.7	8.1	15.4	94.7	94.8	35.7	56.8	94.1	66.9	93.9	92.7
8	23.9	14.2	9.7	14.8	93.9	94.4	37.0	58.9	94.0	65.6	94.0	92.7
9	23.7	13.8	10.7	15.1	91.8	94.1	37.2	62.1	94.0	64.5	94.7	92.6
10	22.9	13.7	10.6	15.7	87.8	94.0	37.2	63.1	94.0	66.5	94.7	91.4
11	19.3	13.7	9.6	14.8	88.1	94.0	37.2	64.8	94.4	68.3	94.1	90.1
12	19.4	12.8	10.0	14.7	91.1	94.0	37.0	67.4	94.0	75.7	94.0	90.0
13	17.5	12.8	13.8	14.7	91.3	93.9	34.4	72.4	94.0	77.6	94.0	89.5
14	15.9	12.8	17.2	14.7	91.3	92.2	33.2	77.4	94.0	79.4	94.0	88.8
15	16.7	12.8	19.7	14.8	91.3	91.2	33.0	81.1	94.0	79.6	94.0	88.6
16	17.7	12.8	19.8	16.6	90.6	88.7	32.0	85.1	93.9	79.6	94.0	87.4
17	16.5	12.8	18.0	25.5	86.3	84.3	31.0	89.2	92.8	81.2	94.0	84.2
18	16.5	12.8	17.8	29.3	78.9	77.9	32.8	92.4	92.5	83.7	94.0	79.3
19	16.8	12.7	17.8	42.8	77.2	72.1	35.9	93.1	90.3	85.9	94.0	73.7e
20	16.8	11.9	17.8	54.9	78.6	70.7	41.7	92.6	90.0	86.1	94.0	68.0e
21	16.8	11.8	16.9	63.2	82.3	68.6	41.9	91.2	90.0	86.0	94.0	62.8e
22	16.8	11.8	16.8	69.6	89.4	62.1	46.7	87.7	89.9	84.9	94.0	58.3e
23	16.7	11.8	16.8	73.6	90.2	58.7	49.3	86.9	87.5	84.8	94.0	54.3
24	15.9	11.8	17.7	78.1	92.4	60.2	50.5	86.7	84.6	84.8	94.0	54.3
25	15.8	11.8	17.8	83.5	92.7	58.2	49.6	84.4	83.5	84.8	94.0	54.3
26	15.7	11.8	17.9	85.7	93.9	55.5	49.7	86.4	83.5	84.8	94.0	53.2
27	14.8	11.8	18.8	88.9	94.0	49.8	52.9	88.4	83.5	84.8	94.0	53.0
28	14.7	11.7	18.9	91.2	94.0	46.7	56.2	92.3	83.5	86.0	94.0	52.1
29	14.7		18.9	92.0	94.0	44.7	60.1	93.9	83.5	87.3	94.0	59.9
30	14.7		18.9	92.2	94.0	43.6	58.5	94.0	83.5	88.6	94.1	71.7
31	13.9		18.9		94.0		55.7	94.0		88.7		75.8
Mean	19.1	13.1	14.7	40.9	90.5	78.5	42.3	76.1	90.9	79.6	93.3	78.3
Maximum	26.1	14.7	19.8	92.2	94.7	95.5	60.1	94.0	94.8	88.7	94.7	95.3
Minimum	13.9	11.7	8.0	14.7	77.2	43.6	31.0	51.9	83.5	64.5	88.7	52.1
Total	51	32	39	106	242	203	113	204	236	213	242	210

(Total flows in million cubic metres per month)

Annual statistics

Mean : 60.0 (cubic metres per second)
Maximum : 95.5 (cubic metres per second)
Minimum : 8.0 (cubic metres per second)
Total : 1891 (million cubic metres)

Data availability

Original values : 361
Estimated values (Flag e) : 4
Missing values (Flag m) : 0

Comments : Reasonable data quality; a very long Der flood season

River Shebelli at Afgoi 1983

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	86.1	30.9	28.6e	18.9	59.0	83.4	89.9	60.2	91.4	95.3	93.2	87.3
2	86.0	32.9	27.7e	18.9	68.1	84.7	91.2	63.7	91.4	95.3	92.7	81.8
3	84.9	33.5	27.1e	18.9	74.4	86.0	91.2	67.4	92.0	95.3	92.7	79.4
4	84.6	34.1	26.3e	18.8	85.0	87.5	88.9	75.0	91.4	95.3	93.9	77.4
5	81.0	34.1	25.9e	17.9	89.8	91.0	88.7	81.8	91.3	95.3	94.0	70.8
6	76.9	33.2	25.9e	17.8	91.4	91.4	88.6	85.4	91.3	95.3	94.0	68.8
7	68.6	33.9	25.7e	17.8	92.5	92.6	87.4	90.8	91.4	95.2	94.0	66.7
8	63.2	34.1	25.1e	17.8	92.7	93.9	85.7	91.3	92.5	94.1	94.0	65.7
9	56.9	32.2	24.3e	17.4	93.9	95.2	78.7	91.3	92.7	94.1	94.0	64.3
10	48.0	31.9	23.7e	17.4	94.7	95.3	71.5	91.3	93.9	95.1	94.0	62.4
11	47.1	31.7	23.6e	17.8	95.3	95.3	67.4	91.4	94.0	94.1	94.0	59.4
12	47.1	30.9	24.0e	18.8	95.3	95.3	71.4	92.6	94.0	94.0	94.0	58.1
13	47.1	30.8	25.0e	18.9	95.3	95.3	73.1	93.9	94.1	94.0	94.0	56.9
14	47.0	30.8	25.9e	19.8	95.8	95.4	79.6	94.0	95.2	94.0	94.0	55.7
15	45.9	30.8	27.0e	20.0	95.4	96.4	80.9	94.0	96.3	94.0	94.0	54.2
16	44.7	30.8	28.5e	20.8	95.2	95.4	80.8	94.0	96.6	94.0	94.0	53.1
17	43.6	30.8	28.2e	19.9	94.1	95.3	78.7	94.0	96.6	94.0	93.9	52.0
18	42.4	31.1	27.5	18.9	93.9	95.3	71.8	93.9	96.6	93.9	92.8	51.9
19	42.3	32.2	27.5	17.9	91.9	95.3	69.3	92.8	96.6	93.4	92.7	51.0
20	42.3	34.1	27.5	17.9	84.5	95.3	66.4	92.7	95.4	95.2	92.7	50.3
21	42.3	36.3	27.3	19.8	76.8	95.3	64.2	92.7	95.3	96.5	92.6	48.4
22	41.2	37.5	27.2	21.9	74.2	95.3	60.7	92.7	95.3	96.6	91.5	47.9
23	40.1	38.1	26.3	24.0	70.7	95.3	55.7	92.7	95.3	95.4	91.3	46.1
24	39.9	39.0e	23.4	41.8	67.4	95.3	52.2	92.7	95.3	95.2	91.3	44.7
25	38.9	37.7e	23.0	49.8	72.6	95.3	50.8	92.7	95.2	94.1	91.3	43.6
26	38.5	35.0e	22.1	54.6	74.6	95.2	50.8	92.7	94.0	94.0	91.3	43.4
27	36.5	32.3e	22.0	56.8	76.8	94.0	52.5	92.7	92.8	94.0	91.3	42.4
28	33.3	30.1e	21.0	58.9	77.0	92.7	56.3	92.5	92.8	94.0	91.3	42.3
29	31.5		20.0	56.3	77.2	91.4	54.0	89.8	95.1	94.0	91.3	41.2
30	31.0		19.8	53.6	80.6	90.1	51.8	89.6	95.3	94.0	91.1	40.1
31	30.8		19.0		82.1		51.3	91.8		93.9		39.6
Mean	51.3	33.2	25.0	27.0	84.1	93.2	71.0	88.5	94.0	94.6	92.9	56.4
Maximum	86.1	39.0	28.6	58.9	95.8	96.4	91.2	94.0	96.6	96.6	94.0	87.3
Minimum	30.8	30.1	19.0	17.4	59.0	83.4	50.8	60.2	91.3	93.4	91.1	39.6
Total	137	80	67	70	225	242	190	237	244	253	241	151

(Total flows in million cubic metres per month)

Annual statistics

Mean : 67.8 (cubic metres per second)
Maximum : 96.6 (cubic metres per second)
Minimum : 17.4 (cubic metres per second)
Total : 2138 (million cubic metres)

Data availability

Original values : 343
Estimated values (Flag e) : 22
Missing values (Flag m) : 0

Comments : Some bad original data in February/March; otherwise data quality acceptable

River Shebelli at Afgoi 1984

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	38.8	23.4	23.0	28.2	15.5	75.4	31.5	30.4	89.7	81.9	48.3	18.0
2	37.2e	22.7	22.1	13.5	15.0	74.1	32.8	31.4	89.0	82.1	42.6	18.7
3	35.6e	22.1	21.6	17.0	16.6	65.4	29.0	45.8	84.2	82.2	40.7	18.0
4	34.1e	22.0	21.5	18.5	16.2	58.9	29.2	66.6	80.1	82.7	38.3	16.7
5	32.6	21.0	21.5	18.3	15.7	55.0	29.7	71.1	74.6	83.4	34.4	15.1
6	31.9	21.0	22.0	18.3	16.3	47.6	30.3	73.4	72.4	83.5	31.3	19.2
7	30.9	21.0	22.8	18.4	16.7	51.8	36.9	78.3	66.3	84.2	34.7	17.4
8	30.8	20.9	22.8	15.1	17.2	56.9	43.3	78.4	61.4	84.7	35.3	10.5
9	30.4	20.4	22.0	16.0	17.5	68.5	57.3	75.9	59.1	84.7	35.0	11.7
10	30.8	20.3	21.1	17.7	17.0	69.6	66.0	74.4	55.4	84.1	33.0	11.8
11	30.7	20.3	22.4	17.3	15.8	66.7	68.0	73.0	56.3	82.2	31.4	12.6
12	29.8	20.3	28.4	17.2	13.1	65.6	68.6	73.2	65.1	80.9	28.8	11.0
13	29.7	19.9	17.6	16.7	14.6	65.4	66.7	77.4	74.8	79.5	29.5	11.4
14	29.7	20.3	17.4	14.8	14.7	64.0	63.1	79.5	79.6	76.8	28.6	11.4
15	29.7	26.6	20.8	13.9	14.4	62.0	58.4	81.1	80.7	76.8	27.7	8.9
16	29.6	28.2	29.8	13.5	13.0	63.3	55.5	82.4	79.3	73.9	27.5	12.1
17	29.0	23.9	31.7	14.1	24.2	67.5	51.9	85.8	78.3	70.1	27.4	8.2
18	28.6	23.1	25.4	12.5	36.7	70.9	50.5	86.9	78.4	66.9	26.4	8.0
19	28.2	23.0	13.4	12.3	32.6	70.1	49.2	87.1	79.9	66.8	26.0	8.0
20	28.1	21.1	13.6	15.1	23.0	63.2	46.2	87.4	80.8	67.6	25.0	7.4
21	27.5	21.1	25.4	13.6	14.8	54.8	46.8	87.9	80.5	73.5	22.5	6.0
22	27.5	21.0	27.0	15.0	12.6	50.2	46.9	87.9	81.6	78.3	21.1	6.0
23	27.3	21.0	23.3	16.7	9.6	47.7	44.8	87.4	82.4	77.6	21.0	5.9
24	26.4	22.0	22.0	18.7	7.1	46.6	43.6	86.9	84.5	78.1	21.4	6.0
25	26.4	22.8	19.4	17.6	7.0	44.4	42.2	86.2	82.3	75.8	24.7	6.2
26	26.4	23.1	19.9	15.2	39.1	41.8	42.3	86.1	81.7	70.2	24.9	6.8
27	26.4	23.1	20.9	12.8	55.1	40.3	39.1e	86.8	80.9	55.4	23.1	6.2
28	26.4	23.1	21.0	13.4	67.2	37.7	36.0e	87.4	82.1	50.6	21.2	6.5
29	26.4	23.1	21.2	16.3	73.8	37.1	33.2	88.6	82.2	46.4	19.9	7.0
30	26.4		22.4	17.5	76.2	33.2	30.4	88.7	82.1	46.8	19.0	6.1
31	24.6		28.5		75.7		30.8	89.4		52.5		6.9
Mean	29.6	22.1	22.3	16.2	25.9	57.2	45.2	77.5	76.9	73.6	29.0	10.5
Maximum	38.8	28.2	31.7	28.2	76.2	75.4	68.6	89.4	89.7	84.7	48.3	19.2
Minimum	24.6	19.9	13.4	12.3	7.0	33.2	29.0	30.4	55.4	46.4	19.0	5.9
Total	79	55	60	42	69	148	121	208	199	197	75	28

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	40.6	(cubic metres per second)
Maximum	:	89.7	(cubic metres per second)
Minimum	:	5.9	(cubic metres per second)
Total	:	1282	(million cubic metres)

Data availability

Original values	:	361
Estimated values (Flag e)	:	5
Missing values (Flag m)	:	0

Comments : River hardly reached bank-full level throughout year

River Shebelli at Afgoi 1985

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	12.6	19.3	0.0	0.0	63.1	79.7	38.2	52.6	79.9	67.8	35.0	14.2
2	11.0	10.7	0.0	0.0	64.2	79.7	39.1	54.0	79.8	67.1	34.8	16.3
3	10.1	8.0	0.0	0.0	65.2	77.6	38.2	56.0	78.3	67.0	35.4	17.2
4	9.9	7.2	0.0	0.0	65.5	77.1	38.1	57.2	78.2	66.6	36.0	16.9
5	8.8	6.8	0.0	0.0	67.6	75.7	38.1	58.4	78.1	66.6	33.4	14.6
6	6.9	4.8	0.0	0.0	67.3	75.1	38.1	61.3	77.4	66.6	31.4	14.7
7	6.3	4.3	0.0	0.0	66.8	75.7	37.3	65.8	76.2	66.6	30.6	15.5
8	7.0	4.4	0.0	0.0	67.8	75.7	38.9	72.2	75.1	67.7	40.0	14.2
9	7.1	6.1	0.0	30.5	68.4	75.0	37.8	76.0	74.9	67.7	42.1	12.9
10	7.9	6.1	0.0	44.1	68.4	73.9	36.9	76.7	73.9	66.6	36.2	11.5
11	8.7	3.2	0.1	47.8	68.1	73.8	35.1	77.4	73.7	66.5	32.9	11.6
12	10.8	1.4	7.6	45.9	68.9	73.7	34.9	77.5	73.3	65.4	28.8	13.9
13	11.4	1.2	7.9	44.6	68.9	72.7	33.9	78.2	73.3	64.0	27.1	10.1
14	9.6	1.2	4.3	41.9	68.2	73.7	33.9	79.0	73.7	61.8	26.0	8.5
15	10.6	1.1	0.1	36.2	67.7	73.7	34.1	80.2	73.8	59.6	25.6	8.3
16	11.6	0.1	0.0	32.3	66.6	73.3	32.9	81.1	73.8	58.0	24.4	7.9
17	10.6	0.1	0.0	29.5	66.6	71.8	32.8	81.1	73.8	54.7	22.0	8.4
18	9.9	0.0	0.0	25.9	67.2	67.8	32.8	81.1	73.8	50.4	20.0	11.0
19	9.9	0.0	0.0	26.5	68.9	65.5	32.8	81.1	73.8	48.0	19.3	12.3
20	10.1	0.0	0.0	27.7	69.0	65.3	32.7	81.1	73.8	46.6	19.0	10.0
21	9.7	0.0	0.0	34.0	70.5	64.0	31.8	81.1	73.7	48.2	19.2	7.5
22	8.9	0.0	0.0	52.7	72.7	59.3	31.8	80.7	73.2	51.4	19.9	5.7
23	8.0	0.0	0.0	61.7	73.8	52.0	31.5e	81.1	71.3	54.6	20.4	6.9
24	7.7	0.0	0.0	63.0	75.0	48.2	31.7e	81.1	69.1	54.8	19.7	10.2
25	7.1	0.0	0.0	64.1	76.6	47.7	32.0e	81.0	69.0	54.6	17.1	13.4
26	7.8	0.0	0.0	64.1	76.7	45.7	33.7e	80.0	69.0	50.6	19.5	9.6
27	7.8	0.0	0.0	63.0	77.4	42.2	39.3e	79.9	70.1	51.6	24.1	4.9
28	7.6	0.0	0.0	61.9	78.1	41.0	42.0e	79.9	70.2	52.6	21.3	3.2
29	8.0		0.0	61.9	78.5	40.3	48.8	79.9	70.1	51.1	20.2	3.0
30	8.0		0.0	62.9	79.2	38.3	51.3	79.9	69.0	43.1	15.0	3.0
31	8.8		0.0		79.8		52.5	79.9		36.9		2.8
Mean	9.0	3.1	0.6	34.1	70.4	65.2	36.9	74.6	73.8	57.9	26.6	10.3
Maximum	12.6	19.3	7.9	64.1	79.8	79.7	52.5	81.1	79.9	67.8	42.1	17.2
Minimum	6.3	0.0	0.0	0.0	63.1	38.3	31.5	52.6	69.0	36.9	15.0	2.8
Total	24	7	2	88	189	169	99	200	191	155	69	28

(Total flows in million cubic metres per month)

Annual statistics

Mean : 38.7 (cubic metres per second)
Maximum : 81.1 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1221 (million cubic metres)

Comments :

Data availability

Original values : 359
Estimated values (Flag e) : 6
Missing values (Flag m) : 0

River Shebelli at Afgoi 1986

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.2	5.8	1.8	3.8	84.0	87.3	52.7	74.3	85.6	75.0	60.2	14.2
2	2.0	4.4	0.3	2.9	84.4	88.0	50.2	74.8	84.9	74.7	54.4	13.1
3	1.9	5.4	1.1	3.0	84.8	88.2	47.5	73.7	84.8	73.8	51.4	14.2
4	3.7	5.6	2.7	3.0	84.5	88.2	49.3	72.2	84.8	72.6	47.1	14.4
5	6.1	6.5	2.6	3.2	85.7	87.4	53.2	70.1	84.8	71.4	43.8	14.8
6	10.8	7.0	2.3	1.8	85.8	87.4	58.2	68.7	84.4	71.0	39.7	12.6
7	10.3	7.4	3.2	1.6	85.8	87.6	66.0	68.2	81.6	69.7	40.3	10.6
8	4.8	5.2	1.6	1.5	85.6	87.6	70.6	68.3	78.8	66.5	40.9	10.0
9	4.3	4.1	0.1	0.6	84.9	87.4	75.2	71.2	76.7	65.3	40.7	8.5
10	4.3	5.3	2.4	0.0	84.9	87.5	78.5	77.8	73.8	63.1	40.7	8.2
11	4.8	5.1	3.2	0.7	85.6	88.1	81.2	81.5	70.4	60.9	40.4	10.0
12	3.8	5.3	2.5	1.8	86.1	88.6	83.5	83.6	72.1	59.1	38.9	9.7
13	2.7	5.7	2.4	0.1	86.1	88.6	83.7	84.2	75.4	53.6	35.5	8.8
14	2.8	6.3	3.0	0.6	86.3	89.0	84.8	84.1	75.0	51.5	33.8	8.5
15	1.5	4.0	1.5	1.4	86.1	88.7	84.8	83.6	75.0	53.1	31.3	8.9
16	5.1	1.1	0.2	0.9	86.1	88.0	84.9	83.6	74.9	53.3	28.2	11.0
17	7.3	4.5	0.7	0.8	85.7	86.0	84.5	83.6	73.3	55.9	26.5	13.4
18	4.7	5.7	1.5	1.1	82.3	83.0	83.6	83.4	70.0	59.5	22.2	14.6
19	1.6	5.2	1.7	1.5	77.5	81.9	81.5	81.4	67.3	61.6	21.3	15.6
20	7.5	4.5	1.4	2.7	75.0	78.9	74.6	77.8	65.1	60.7	20.5	15.6
21	7.0	5.5	1.8	3.9	75.2	77.1	69.9	77.5	61.0	60.9e	20.9	14.5
22	8.3	5.4	3.3	5.1	69.9	73.2	64.1	78.9	59.5	61.0	21.0	15.0
23	8.6	6.2	2.2	18.2	66.0	68.4	58.4	83.3	59.4	59.8	19.7	14.4
24	8.7	5.4	2.4	51.7	62.9	64.1	55.5	84.4	64.5	58.1	19.0	13.6
25	5.7	4.8	2.2	70.7	60.1	64.2	58.2	84.6	67.8	54.2	17.0	13.7
26	4.7	4.0	1.4	78.5	60.3	66.8	65.8	84.9	71.4	51.3	15.7	13.7
27	7.1	3.5	2.3	82.0	67.9	70.2	69.5	86.0	74.5	47.9	14.4	13.5
28	7.8	4.2	3.5	83.5	76.6	68.4	72.3	86.1	74.8	44.8	15.5	12.1
29	7.9		3.6	83.4	81.9	62.9	74.6	86.1	75.7	45.1	15.6	11.7
30	7.3		2.7	83.5	83.6	57.7	72.4	86.5	75.8	53.5	14.8	11.4
31	8.1		3.6		85.2		73.7	86.1		60.7		10.6
Mean	5.6	5.1	2.1	19.8	79.9	80.3	69.8	79.7	74.1	60.3	31.0	12.3
Maximum	10.8	7.4	3.6	83.5	86.3	89.0	84.9	86.5	85.6	75.0	60.2	15.6
Minimum	1.5	1.1	0.1	0.0	60.1	57.7	47.5	68.2	59.4	44.8	14.4	8.2
Total	15	12	6	51	214	208	187	213	192	162	80	33

(Total flows in million cubic metres per month)

Annual statistics

Mean : 43.6 (cubic metres per second)
Maximum : 89.0 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1374 (million cubic metres)

Data availability

Original values : 364
Estimated values (Flag e) : 1
Missing values (Flag m) : 0

Comments : Little reduction in river level between the two flood seasons

River Shebelli at Afgoi 1987

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10.0	3.4	1.2	0.0	63.5	90.4	93.1	37.0	19.4	77.7	67.5	17.9
2	11.2	6.8	2.0	0.0	61.8	90.8	93.1	36.0	21.0	77.7	68.2	18.0
3	10.9	7.7	3.0	0.0	60.7	90.8	93.1	32.8	25.9	74.1	72.1	26.1
4	10.8	7.6	2.8	17.2	60.7	90.5	93.1	27.3	27.2	66.2	74.1	24.2
5	10.3	7.1	3.4	30.8	61.5	89.9	93.1	28.7	31.0	59.6	76.1	19.9
6	10.8	7.3	4.0	33.4	61.6	89.9	90.4	28.0	32.0	54.0	75.7	18.0
7	10.5	5.6	3.3	32.7	61.0	90.1	82.7	25.7	31.0	58.7	74.1	16.5
8	10.3	3.5	1.5	30.5	58.6	89.9	71.2	24.6	31.3	65.5	73.7	14.5
9	11.5	5.9	1.4	28.7	60.6	89.9	63.0	29.4	30.7	73.5	72.9	9.7
10	10.8	6.0	0.8	26.6	62.8	90.1	56.3	32.7	29.3	76.0	72.6	9.2
11	9.9	6.0	1.0	23.5	61.1	90.3	54.9	32.9	30.0	77.1	72.6	8.7
12	9.3	5.7	1.0	21.2	56.8	90.4	52.3	33.4	34.7	75.5	72.6	9.2
13	9.0	6.5	0.7	20.2	50.6	90.6	49.3	30.2	37.3	73.5	73.1	15.1
14	9.1	4.6	0.7	20.6	48.3	90.8	46.6	28.3	39.4	72.7	73.7	20.0
15	9.1	2.6	0.0	25.4	53.8	90.9	44.5	29.4	42.6	72.5	73.0	21.0
16	9.9	4.6	0.0	37.0	60.7	90.9	43.6	29.8	47.9	71.4	69.2	17.6
17	9.5	5.3	0.1	44.0	67.5	90.9	41.8	28.9	51.6	71.1	64.9	10.7
18	9.2	5.4	0.0	47.4	70.6	91.1	40.4	26.8	52.8	70.0	55.9	10.6
19	9.2	5.2	0.0	52.0	71.9	91.1	39.7	25.9	54.6	68.6	46.8	12.6
20	9.4	6.1	0.1	58.1	76.3	91.0	38.3	26.2	57.6	68.3	33.6	12.1
21	8.6	4.7	0.8	62.5	79.3	89.9	39.5	26.7	67.3	67.9	30.7	11.8
22	8.5	2.4	0.0	65.7	81.8	89.8	41.3	28.1	70.7	66.5	28.7	10.5
23	9.5	1.7	0.0	67.2	83.4	89.8	41.9	26.8	71.8	64.2	25.3	9.0
24	8.1	5.7	0.0	66.4	82.4	90.0	41.7	25.9	67.8	59.9	26.2	8.4
25	6.1	4.6	0.0	67.1	82.2	92.9	40.4	24.9	63.6	62.8	27.2	10.6
26	8.6	3.5	0.0	66.7	83.8	93.1	37.1	23.7	58.8	68.9	24.7	11.5
27	9.0	4.1	0.0	65.8	86.7	93.1	35.1	22.7	55.0	74.6	23.7	10.1
28	9.1	2.9	0.0	65.9	89.4	93.1	33.7	21.8	57.0	73.9	23.0	9.6
29	9.4		0.0	66.2	89.8	93.1	33.8	21.7	67.4	71.7	21.3	11.5
30	9.4		0.0	63.9	90.1	93.1	34.9	20.1	74.4	71.0	19.9	12.9
31	6.1		0.0		90.1		35.4	18.9		69.4		12.5
Mean	9.4	5.1	0.9	40.2	70.0	90.9	54.7	27.6	46.0	69.5	53.8	13.9
Maximum	11.5	7.7	4.0	67.2	90.1	93.1	93.1	37.0	74.4	77.7	76.1	26.1
Minimum	6.1	1.7	0.0	0.0	48.3	89.8	33.7	18.9	19.4	54.0	19.9	8.4
Total	25	12	2	104	187	236	146	74	119	186	139	37

(Total flows in million cubic metres per month)

Annual statistics

Mean : 40.3 (cubic metres per second)
Maximum : 93.1 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1270 (million cubic metres)

Comments :

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

River Shebelli at Afgoi 1988

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	12.7	5.6	7.4	1.8	73.7	18.4	21.0	23.7	83.6	79.9	79.3	28.7
2	9.3	9.5	9.0	0.7	75.9	20.7	21.1	26.9	83.8	79.9	80.1	28.1
3	7.5	12.0	9.4	0.0	77.3	24.0	20.7	28.2	84.7	79.8	80.1	28.5
4	7.1	12.6	9.3	0.0	78.5	26.5	20.2	29.9	84.1	78.9	80.0	25.4
5	10.5	13.3	6.2	0.0	79.7	26.4	19.3	31.9	83.8	78.7	81.2	26.3
6	12.8	10.7	1.9	0.0	77.6	25.2	17.1	29.6	83.1	78.6	83.0	21.9
7	13.6	5.7	0.6	0.0	75.4	22.2	16.9	28.3	82.9	78.6	83.3	20.3
8	13.2	4.6	3.5	0.0	75.8	20.7	17.0	28.9	82.2	79.2	83.3	19.7
9	10.8	9.6	6.4	0.0	77.0	20.3	18.1	34.1	82.1	79.3	83.3	18.9
10	6.4	12.7	7.0	0.0	78.6	20.1	17.7	39.5	81.9	78.7	83.3	18.8
11	6.4	13.6	6.6	0.0	79.6	19.0	16.9	45.7	81.0	78.7	83.4	17.6
12	10.8	14.0	3.3	0.0	79.0	17.4	16.2	47.3	81.1	78.7	84.5	19.2
13	13.2	11.7	0.0	0.0	76.3	15.5	18.0	49.1	81.1	78.7	84.9	20.7
14	12.2	6.1	0.0	0.0	74.4	14.5	17.0	50.3	81.5	79.1	85.5	21.6
15	12.9	5.3	0.2	0.4	70.0	13.5	17.1	59.1	82.1	79.9	84.0	21.3
16	10.7	9.6	3.9	1.0	62.2	10.7	17.0	70.8	82.4	80.1	81.2	20.7
17	6.2	12.4	4.3	1.0	56.5	8.5	17.6	77.1	83.0	80.1	72.3	17.7
18	5.9	13.3	4.6	1.5	51.1	9.7	17.9	80.1	82.8	79.9	69.1	12.2
19	10.4	13.6	1.7	6.1	44.1	9.8	18.1	82.3	81.9	79.9	63.3	11.7
20	13.4	11.4	0.0	10.6	38.5e	9.5	18.4	83.5	80.2	80.6	59.4	15.3
21	13.9	4.9	0.0	11.0	33.6	9.3	18.8	83.6	80.1	80.7	55.2	18.3
22	14.1	4.6	0.0e	12.1	28.9	9.3	19.0	83.1	79.9	81.1	50.3	18.8
23	11.6	8.4	0.9	13.3	28.8	9.2	20.0	83.3	80.3	80.6	47.7	18.7
24	5.4	11.9	2.3	14.0	24.2	11.3	23.3	83.6	82.2	79.9	45.9	16.1
25	4.7	11.9	2.2	14.1	24.1	10.6	27.8	83.6	81.9	79.3	43.5	10.7
26	10.3	11.6	2.3	18.3	21.8	11.6	29.2	84.0	81.7	77.1	38.1	13.1
27	13.0	9.0	0.1	39.1	20.7	14.7	29.8	84.6	81.1	75.1	35.0	14.4
28	12.9	4.7	0.0	58.0	20.4	17.6	31.2	84.6	80.6	75.7	33.8	15.9
29	13.0	3.7	0.0	65.7	23.8	19.1	28.6	84.4	80.1	78.5	32.4	16.2
30	11.6		1.3	70.3	22.2	19.1	25.2	84.6	79.9	78.7	29.8	16.7
31	6.4		1.3		19.4		22.8	84.4		78.7		14.1
Mean	10.4	9.6	3.1	11.3	53.8	16.1	20.6	60.3	81.9	79.1	66.5	19.0
Maximum	14.1	14.0	9.4	70.3	79.7	26.5	31.2	84.6	84.7	81.1	85.5	28.7
Minimum	4.7	3.7	0.0	0.0	19.4	8.5	16.2	23.7	79.9	75.1	29.8	10.7
Total	28	24	8	29	144	42	55	162	212	212	172	51

(Total flows in million cubic metres per month)

Annual statistics

Mean : 36.0 (cubic metres per second)
Maximum : 85.5 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1140 (million cubic metres)

Data availability

Original values : 364
Estimated values (Flag e) : 2
Missing values (Flag m) : 0

Comments : A regular weekly fluctuation in level January-March due to irrigation abstractions upstream

River Shebelli at Afgoi 1989

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10.2	13.4	17.1	11.3	88.2	92.4	26.2	17.0	28.1	59.5	81.2	33.8
2	10.7	13.8	19.6	8.3	89.0	92.4	27.2	19.1	40.6	60.1	81.1	33.9
3	12.8	14.2	19.7	7.4	89.4	94.0	28.0	24.2	41.2	62.7	80.2	33.6
4	15.8	11.4	16.7	7.3	89.8	86.1	27.6	28.8	39.4	60.3	79.3	31.6
5	16.2	6.7	12.5	7.1	90.1	81.4	26.6	36.7	39.9	57.3	77.4	29.7
6	16.0	7.1	10.2	11.5	90.6	75.3	25.6	35.7	40.3	54.8	74.5	29.1
7	14.8	11.0	12.4	31.7	91.1	67.2	24.7	40.0	40.3	53.5	71.7	32.9
8	9.1	13.9	14.1	51.2	92.0	62.9	23.5	40.6	40.7	60.7	69.6	45.3
9	7.5	14.8	14.4	65.4	92.0	57.9	21.2	42.5	43.2	70.3	66.6	55.0
10	12.2	14.9	15.0	75.3	92.4	55.9	17.0	45.6	50.1	73.8	63.8	57.9
11	14.8	11.0	13.2	78.0	92.6	52.2	17.3e	53.1	56.9	76.3	61.1	53.3
12	15.1	7.1	8.5	73.4	92.6	45.9	17.7	59.1	60.5	77.5	58.0	46.2
13	15.1	6.7	8.6	70.2	92.7	41.3	17.7	59.0	66.0	78.6	56.0	42.3
14	14.4	10.8	11.1	74.1	93.5	41.4	17.5	56.2	80.5	79.1	54.5	35.7
15	8.2	14.1	13.2	79.6	94.1	45.5	17.9	54.2	83.6	78.7	52.0	33.7
16	7.7	14.9	13.6	81.8	94.7	44.1	19.1	44.5	88.6	77.7	46.9	29.5
17	12.0	14.8	14.0	83.3	95.2	40.8	18.8	40.9	90.0	76.2	45.7	27.4
18	14.9	12.1	11.5	83.7	95.6	38.2	17.8	37.3	90.8	75.0	43.4	26.3
19	15.4	8.5	8.5	84.1	95.9	37.0	16.4	36.3	89.4	73.8	41.5	25.7
20	15.4	6.0	7.2	84.1	96.2	35.1	15.5	32.8	85.3	73.3	40.5	24.6
21	11.5	10.6	10.7	84.2	96.4	33.7	15.4	28.8	80.5	72.2	39.2	23.7
22	7.0	13.4	13.2	84.9	96.7	33.2	15.8	26.6	78.7	70.3	38.1	23.1
23	6.8	14.3	13.6	84.8	96.7	31.5	16.6	24.8	78.7	70.2	37.0	22.7
24	11.0	14.3	13.6	84.8	96.7	27.7	19.4	25.0	78.9	71.6	35.8	28.5
25	13.2	11.5	10.9	84.9	96.7	24.5	19.0	24.6	78.3	74.1	35.0	45.1
26	14.3	7.0	7.4	85.5	96.7	25.0	17.4	23.8	73.7	76.4	37.6	58.6
27	15.8	6.8	7.7	85.6	97.1	26.9	16.7	23.1	68.4	78.2	39.7	62.8
28	14.5	11.6	9.9	86.1	96.0	27.7	16.2	23.1	64.0	79.6	36.1	61.4
29	7.2		12.6	87.3	94.7	25.5	16.2	23.6	60.6	80.2	34.0	57.8
30	6.7		13.6	87.6	93.6	24.7	16.0	24.3	59.5	81.1	33.9	52.6
31	10.2		14.2		93.1		16.1	25.5		81.7		48.8
Mean	12.1	11.3	12.5	64.2	93.6	48.9	19.6	34.7	63.9	71.4	53.7	39.1
Maximum	16.2	14.9	19.7	87.6	97.1	94.0	28.0	59.1	90.8	81.7	81.2	62.8
Minimum	6.7	6.0	7.2	7.1	88.2	24.5	15.4	17.0	28.1	53.5	33.9	22.7
Total	33	27	34	166	251	127	53	93	166	191	139	105

(Total flows in million cubic metres per month)

Annual statistics

Mean : 43.9 (cubic metres per second)
Maximum : 97.1 (cubic metres per second)
Minimum : 6.0 (cubic metres per second)
Total : 1384 (million cubic metres)

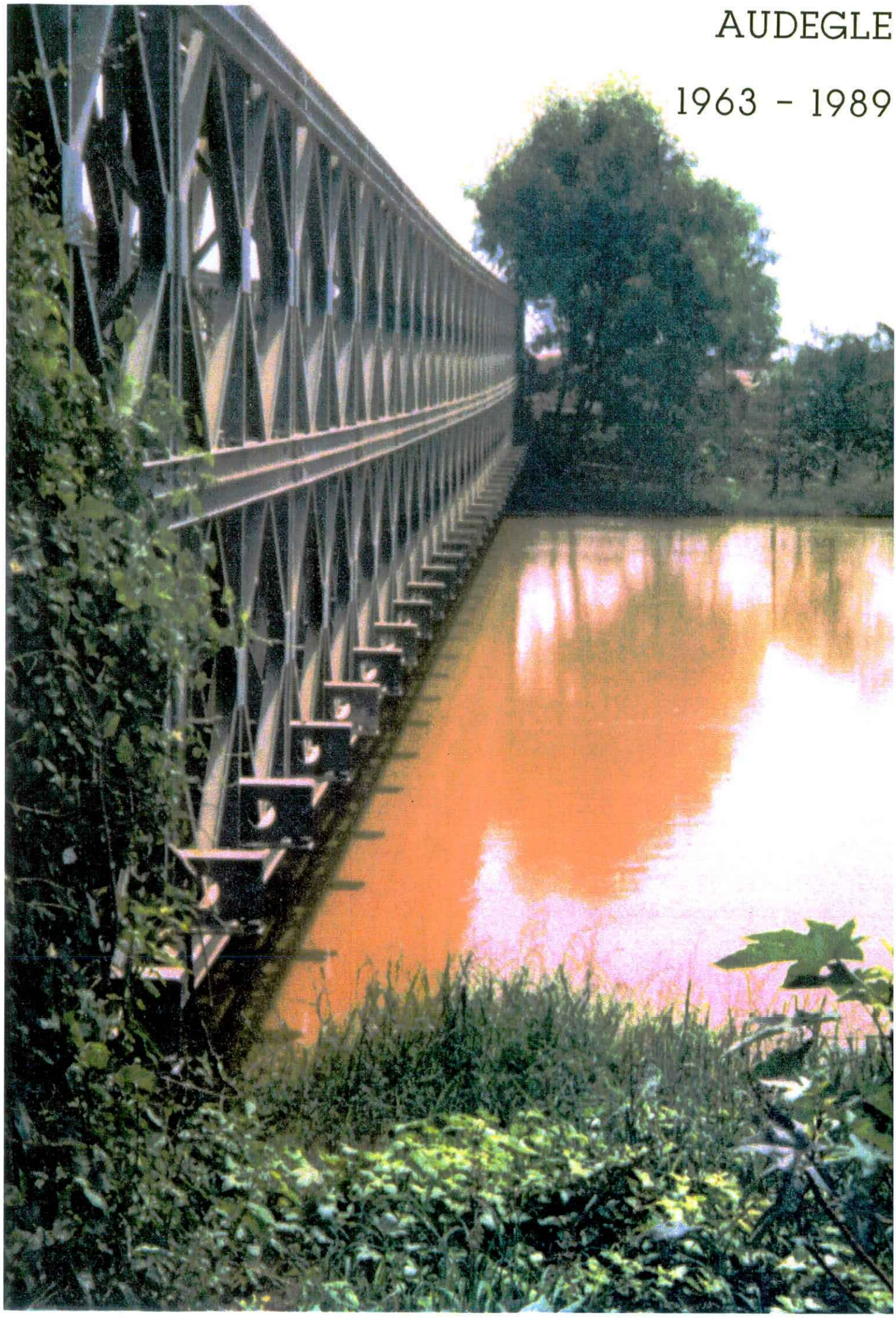
Data availability

Original values : 364
Estimated values (Flag e) : 1
Missing values (Flag m) : 0

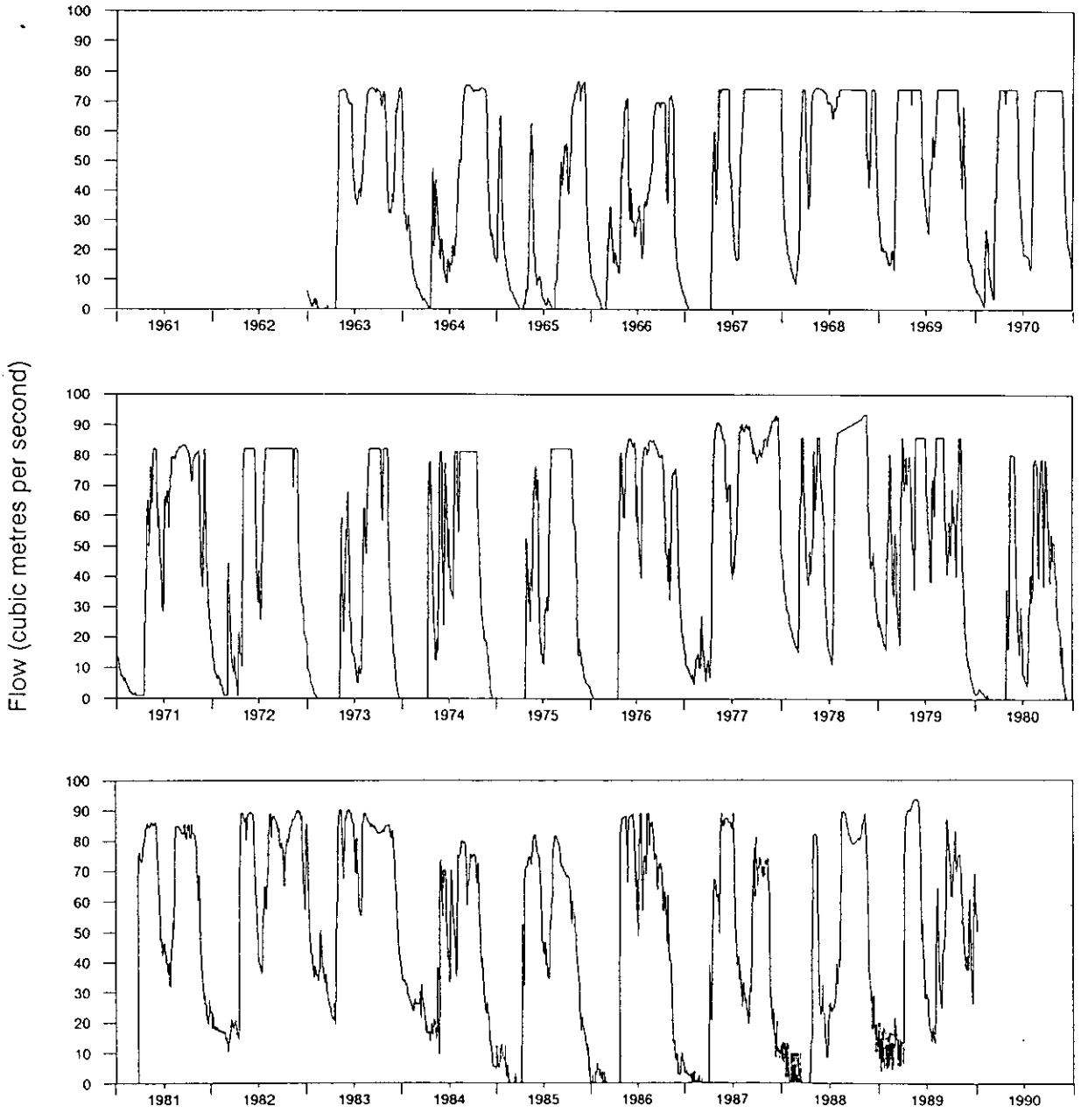
Comments : River unusually high at the end of the year

AUDEGLE

1963 - 1989



River Shebelli: Daily mean flows for Audegle
for the period 1963 - 1989



River Shebelli at Audegle 1963

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.4	2.5	0.0e	0.0e	73.3e	71.6	40.7	45.8	74.1	73.5	55.9	44.4
2	5.7	1.4	0.0e	0.1e	73.4e	71.3	39.1	47.4	74.3	73.3	51.9	47.6
3	5.2	1.3	0.0e	0.0e	73.4e	71.1	37.6	49.2	74.3	73.2	47.8	50.7
4	4.9	2.2	0.0e	0.0e	73.5e	70.7	37.3	50.7	74.5	72.9	44.4	53.7
5	4.7	3.5	0.0e	0.0e	73.5e	70.0	37.1	52.7	74.3	72.8	41.0	57.6
6	4.2	3.3	0.0e	0.0e	73.5e	69.6	37.0	54.6	74.3	72.3	38.2	61.6
7	3.9	2.8	0.0e	0.0e	73.6e	69.3	36.8	56.1	74.2	72.0	36.9	65.8
8	4.2	2.2	0.0e	0.0e	73.6e	69.3	36.4	57.5	74.1	71.2	34.8	67.8
9	3.7	1.6	0.0e	0.0e	73.6e	69.3	35.9	59.2	74.3	69.9	33.8	67.5
10	2.9	0.3	0.0e	0.0e	73.7e	69.3	35.4	61.6	74.1	69.1	33.0	67.0
11	2.5	0.0	0.0e	0.0e	73.7e	69.1	35.1	63.6	74.4	68.6	32.7	66.0
12	2.4	0.0	0.0e	0.0e	73.7e	69.3	34.9	65.4	73.8	68.2	32.4	66.1
13	2.1	0.0	0.0e	0.0e	73.8e	69.0	35.7	66.7	73.8	68.1	32.5	67.9
14	1.8	0.0	0.0e	0.0e	73.8e	68.8	36.7	67.6	73.8	69.0	32.5	69.2
15	2.1	0.0	0.0e	0.0e	73.8e	69.1	37.8	68.9	73.5	69.7	32.7	70.1
16	2.0	0.0	0.0e	0.0e	73.9e	69.3	38.4	70.0	73.1	70.6	33.1	70.8
17	2.0	0.0	0.9e	0.0e	73.9e	69.4	39.0	70.9	73.0	72.0	33.6	71.6
18	1.7	0.0	1.4e	0.0e	73.9e	68.9	39.9	71.5	72.9	72.4	32.8	72.8
19	1.0	0.0	0.9e	0.1e	74.0e	66.6	40.7	72.4	72.8	72.8	31.9	73.6
20	0.7	0.0	0.4e	0.5e	74.0e	62.4	40.8	72.9	72.9	73.0	32.4	74.0
21	0.8	0.0e	0.2e	5.5e	74.0	57.5	40.2	73.1	73.0	73.1	35.5	74.3
22	1.0	0.0e	0.0e	18.4e	74.0	54.3	39.5	73.4	74.2	73.4	37.2	74.5
23	1.4	0.0e	0.0e	24.8e	73.7	51.8	38.5	73.5	74.3	73.0	38.1	74.6
24	1.8	0.0e	0.0e	22.6e	73.5	50.4	37.7	73.6	74.1	71.7	38.9	74.7
25	2.1	0.0e	0.0e	21.4e	73.4	48.3	38.2	73.8	74.0	69.7	38.8	74.3
26	2.0	0.0e	0.0e	27.6e	73.5	46.2	39.1	74.0	73.8	67.8	36.7	74.0
27	2.3	0.0e	0.0e	39.4e	73.2	44.3	39.9	74.3	73.8	65.3	35.7	73.0
28	3.0	0.0e	0.0e	54.4e	73.0	43.2	40.9	74.3	73.6	63.0	37.6	71.5
29	3.6		0.0e	71.1e	73.1	42.7	42.2	74.2	73.5	61.4	40.3	70.6
30	3.5		0.0e	73.3e	72.8	41.7	43.6	74.1	73.7	60.1	42.6	70.0
31	2.7		0.0e		72.4		44.7	74.2		58.6		69.0
Mean	2.8	0.8	0.1	12.0	73.6	62.1	38.6	65.7	73.8	69.7	37.5	67.3
Maximum	6.4	3.5	1.4	73.3	74.0	71.6	44.7	74.3	74.5	73.5	55.9	74.7
Minimum	0.7	0.0	0.0	0.0	72.4	41.7	34.9	45.8	72.8	58.6	31.9	44.4
Total.	8	2	0	31	197	161	103	176	191	187	97	180

(Total flows in million cubic metres per month)

Annual statistics

Mean : 42.3 (cubic metres per second)
Maximum : 74.7 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1334 (million cubic metres)

Data availability

Original values : 276
Estimated values (Flag e) : 89
Missing values (Flag m) : 0

Comments : No original data for approximately 3 months between February and May

River Shebelli at Audegle 1964

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	63.2	24.4	7.1	2.6	32.0	23.2	12.6	36.3	75.0	73.2	74.5	36.2
2	56.8	23.2	6.7	2.4	23.5	23.5	12.2	38.9	75.3	73.3	74.5	34.4
3	49.5	22.0	6.9	2.2	21.1	23.1	12.3	42.3	75.3	73.3	74.5	33.0
4	43.8	21.0	6.8	2.1	21.9	22.3	13.7	44.9	75.3	73.5	74.5	31.2
5	40.6	19.4	6.8	2.2	24.7	20.7	14.9	47.1	75.3	73.5	74.3	29.6
6	37.6	18.2	6.8	1.9	29.1e	18.8	15.4	48.5	75.3	73.5	74.3	27.9
7	34.7	17.5	6.6	1.7	35.9e	17.5	14.9	49.8	75.1	73.8	74.3	26.6
8	32.6	16.9	6.3	1.5	41.6e	16.5	14.5	50.4	75.0	73.7	74.2	25.4
9	31.8	16.1	5.5	1.2	43.7	15.4	14.7	50.3	75.0	73.8	73.9	24.7
10	31.7	15.6	5.3	0.9	43.2	14.4	14.7	50.3	75.0	73.8	74.0	24.6
11	31.6	14.6	5.4	0.7	41.3	13.4	15.9	49.8	75.3	73.6	74.0	24.3
12	31.7	13.5	5.0	0.7	39.4	12.3	18.1	49.2	75.3	73.5	74.0	25.0
13	32.1	12.4	4.5	0.8	38.0	11.4	20.6	49.5	75.3	73.5	73.8	25.3
14	32.1	11.5	4.4	0.7	36.9	10.8	21.4	51.3	75.3	73.5	73.8	25.5
15	30.7	11.2	4.3	0.5	35.3	10.8	21.4	53.8	75.3	73.4	73.8	25.2
16	29.4	11.2	4.1	0.4	33.4	10.3	20.9	57.0	75.0	73.5	73.6	24.6
17	28.3	11.0	4.3	0.4	31.4	9.7	19.9	60.4	74.8	73.5	73.0	23.6
18	27.0	10.9	4.2	0.7	30.0	9.3	18.9	63.2	74.8	73.5	72.4	22.6
19	26.2	10.5	3.7	0.9	28.9	8.9	18.0	65.5	74.8	73.7	71.3	21.6
20	26.4	9.7	3.0	1.1	27.5	8.6	17.7	67.3	74.6	73.7	69.6	21.0
21	26.4	9.4	2.8	5.1	25.8	9.0	17.8	69.1	74.5	73.8	67.8	20.1
22	27.3	9.4	3.0	13.4	24.2	11.2	18.8	70.7	74.3	73.7	64.9	19.4
23	28.9	9.4	2.8	23.4	22.1	14.8	20.5	71.9	74.3	73.6	60.9	18.4
24	30.1	9.0	3.0	28.4	20.0	16.7	21.7	72.6	74.3	73.6	56.1	17.8
25	31.1	8.6	3.3	30.0	18.0	16.9	22.6	73.1	74.1	73.5	52.2	17.6
26	31.6	7.9	3.5	31.7	16.9	16.8	23.2	73.6	73.8	73.8	48.7	17.5
27	31.5	7.5	3.8	45.0	16.5	16.5	24.3	73.8	73.8	74.0	45.8	17.2
28	29.8	7.0	3.5	47.2	16.6	15.5	26.5	74.2	73.8	74.3	43.0	16.8
29	27.6	7.0	3.2	45.4	18.2	14.3	28.8	74.6	73.3	74.3	40.4	16.6
30	27.3		3.0	41.2	20.4	13.1	31.1	75.0	73.5	74.5	38.3	16.6
31	25.8		2.8		21.7		33.9	75.0		74.5		16.7
Mean	33.4	13.3	4.6	11.2	28.4	14.9	19.4	59.0	74.7	73.7	66.4	23.5
Maximum	63.2	24.4	7.1	47.2	43.7	23.5	33.9	75.0	75.3	74.5	74.5	36.2
Minimum	25.8	7.0	2.8	0.4	16.5	8.6	12.2	36.3	73.3	73.2	38.3	16.6
Total	89	33	12	29	76	39	52	158	194	197	172	63

(Total flows in million cubic metres per month)

Annual statistics

Mean : 35.2 (cubic metres per second)
Maximum : 75.3 (cubic metres per second)
Minimum : 0.4 (cubic metres per second)
Total : 1115 (million cubic metres)

Data availability

Original values : 363
Estimated values (Flag e) : 3
Missing values (Flag m) : 0

Comments : A few original values missing in May

River Shebelli at Audegle 1965

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	16.1	19.0	5.8	0.2	6.5	17.1	3.5	1.2	28.1	53.4	73.1	75.5
2	15.6	18.1	5.7	0.1	6.6	12.6	3.4	1.1	32.0	49.3	72.9	75.7
3	17.0	17.4	5.6	0.1	9.3	11.8	3.2	0.8	35.1	46.0	72.9	76.3
4	21.8	17.1	5.6	0.0	13.2	11.7	3.2	0.3	38.3	43.2	72.8	76.3
5	28.9	16.6	5.4	0.0	15.4	10.3	3.0	0.1	40.8	40.4	73.1	76.6
6	35.4	16.8	5.1	0.0	18.2	8.9	2.8	0.0	43.7	39.0	74.3	76.4
7	41.1	16.1	4.9	0.0	27.2	8.0	3.2	0.0	47.0	38.5	75.6	76.1
8	46.5	15.0	4.5	0.0	32.9	7.9	2.7	0.0	49.5	38.8	76.0	74.6
9	51.7	14.1	4.3	0.0	43.6	8.4	1.8	0.0	49.7	39.7	76.4	71.0
10	56.2	13.4	4.0	0.0	49.0	9.1	1.6	0.0	48.5	42.1	76.3	64.0
11	59.8	12.6	3.7	0.0	51.3	9.6	1.5	0.0	47.5	45.7	76.4	56.6
12	62.4	11.9	3.6	0.0	55.6	9.6	1.6	0.0	45.1	49.6	76.5	50.3
13	64.3	11.7	3.6	0.1	59.0	10.3	1.6	0.0	42.9	50.6	77.1	45.4
14	65.3	11.1	3.4	0.1	61.6	11.4	1.6	0.0	41.6	52.7	76.8	42.1
15	64.8	10.4	3.2	0.4	62.8	11.2	1.4	0.0	42.7	52.8	76.6	39.1
16	62.5	9.8	3.1	1.2	62.1	10.7	1.3	4.7	44.1	52.5	76.1	36.0
17	57.9	9.2	2.9	1.9	60.4	9.9	1.7	8.8	46.1	56.2	75.4	33.5
18	52.1	8.9	2.4	2.0	56.6	9.7	2.7	8.1	48.2	63.3	74.2	31.8
19	46.2	8.5	2.1	2.0	52.5	10.2	3.3	8.2	50.0	67.5	72.3	29.7
20	41.5	8.1	2.0	1.8	45.4	11.0	4.0	8.5	51.9	68.9	70.2	28.8
21	37.2	7.5	2.1	1.8	39.1	10.5	3.7	9.1	53.5	68.7	69.8	27.3
22	34.0	6.9	1.8	2.8	35.5	9.1	3.4	9.4	54.7	68.7	70.6	25.6
23	31.3	6.6	1.8	2.6	32.3	8.0	3.0	9.4	55.0	68.7	71.7	24.1
24	28.9	6.2	1.8	2.0	29.1	7.1	3.0	10.4	55.0	69.0	71.6	23.1
25	27.0	6.1	1.8	2.5	26.8	6.3	2.8	12.9	55.1	70.1	74.4	22.0
26	25.7	6.1	1.8	5.9	24.0	5.4	2.3	14.8	55.2	70.2	74.3	21.0
27	24.4	6.2	1.6	6.6	21.9	5.0	1.9	15.8	55.6	71.0	74.9	19.9
28	23.3	6.2	1.3	6.2	19.1	4.6	1.8	17.0	55.7	71.4	75.3	18.9
29	22.1		1.0	5.6	18.1	4.1	1.6	18.6	55.5	71.6	75.5	17.7
30	21.1		0.5	5.6	18.3	3.7	1.4	22.0	54.8	72.2	75.7	16.2
31	20.2		0.3		17.5		1.3	25.4		72.7		14.8
Mean	38.8	11.3	3.1	1.7	34.5	9.1	2.4	6.7	47.4	56.9	74.3	44.1
Maximum	65.3	19.0	5.8	6.6	62.8	17.1	4.0	25.4	55.7	72.7	77.1	76.6
Minimum	15.6	6.1	0.3	0.0	6.5	3.7	1.3	0.0	28.1	38.5	69.8	14.8
Total	104	27	8	4	92	24	7	18	123	152	193	118

(Total flows in million cubic metres per month)

Annual statistics

Mean : 27.6 (cubic metres per second)
Maximum : 77.1 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 871 (million cubic metres)

Data availability

Original values : 365
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments : Unusually, river was virtually dry in July and August

River Shebelli at Audegle 1966

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	13.7	4.2	0.0	15.3e	46.6	31.4e	30.2e	33.1e	49.9	68.5	49.1e	20.8e
2	12.5	4.1	0.0	15.3e	47.7	29.9e	30.2e	35.4e	54.2	69.4	56.2e	19.8e
3	11.8	4.0	0.0	15.5e	48.1	31.7e	29.5e	36.2e	58.5	69.6	64.9e	18.8e
4	11.6	3.8	0.0	16.8e	49.2	36.9e	29.5e	36.4	63.2	69.7	71.0	17.4e
5	11.0	3.6	0.1e	18.8e	52.3	39.8e	29.9e	36.4	64.8	70.0	71.2	16.1e
6	10.7	3.4	5.8e	19.1e	56.6	40.8e	31.4e	35.5	65.8	69.3	71.2	14.6e
7	10.3	3.3	13.1e	18.6e	57.6	40.0e	33.6e	34.9	66.3	69.1	71.1	13.5e
8	10.4	3.3	16.3e	18.3e	60.3	37.2e	34.3e	35.2	66.6	69.6	70.8	13.4e
9	10.2	3.0	16.9e	18.7e	63.7	34.7e	34.9e	34.9	67.0	69.7	71.0	13.3e
10	9.7	2.5	17.4e	18.3e	65.8	31.5e	34.9e	34.7	67.5	69.5	71.4	12.6e
11	9.7	2.1	18.7e	17.4e	67.8	30.1e	33.8e	35.7	68.2	69.7	72.2	11.7e
12	9.4	1.6	20.8e	16.5e	69.0	29.4e	32.1e	36.0	68.7	69.7	71.9	11.3e
13	9.3	1.1	22.5e	15.7e	69.9	29.3e	30.5e	35.8	69.3	69.8	71.1	11.0
14	9.0	0.6	24.8e	15.0e	70.4	29.6e	28.8e	38.1	69.2	69.5	70.4	10.6
15	8.8	0.5	27.7e	14.3e	70.3	29.7e	27.6e	39.3	69.0	69.7	69.9	10.3
16	8.4	0.4	30.4e	14.2e	67.6	29.7e	27.0e	39.5	69.3	69.5	69.5	10.0
17	8.2	0.2	32.0e	14.3e	68.8	29.5e	25.2e	39.2	69.9	69.5	69.4	9.6
18	7.9	0.2	33.0e	14.0e	70.5	28.6e	23.7e	38.8	69.9	69.3	69.0	9.4
19	7.7	0.1	33.6e	13.4e	70.6	26.6e	22.1e	39.0	69.5	65.3e	66.8	9.1
20	7.5	0.1	34.4e	12.7e	71.1	24.9e	20.9e	39.3	69.4	61.8e	60.8	8.5
21	7.1	0.0	34.1e	12.1e	71.0	24.2e	19.3e	40.1	69.9	58.1e	54.8	8.0
22	6.9	0.0	32.4e	12.4	69.9	24.5e	18.2e	41.3	69.5	54.0e	47.5e	7.3
23	6.3	0.0	30.4e	12.0	68.0	25.5e	17.2e	43.0	69.5	50.7e	41.1e	7.1
24	5.7	0.0	28.4e	17.4	62.9	25.9e	16.9e	44.4	69.7	50.3e	36.0e	6.8
25	5.1	0.0	26.1e	23.3	57.3	25.3e	17.6e	44.8	69.7	49.3e	32.4e	6.4
26	4.8	0.0	24.5e	29.3	51.1	25.1e	18.7e	45.2	69.5	46.2e	29.7e	6.4
27	4.7	0.0	22.6e	38.9	46.2	25.6e	20.2e	45.6	69.0	41.4e	27.3e	6.2
28	4.7	0.0	20.1e	48.0	41.8	26.9e	21.9e	46.4	68.6	38.0e	25.1e	6.1
29	4.5		18.4e	50.9	38.9	28.6e	24.5e	47.3	68.2	35.5e	23.4e	5.7
30	4.4		16.8e	47.8	36.1	29.5e	27.5e	48.0	67.9	36.9e	22.0e	5.5
31	4.3		15.5e		34.2e		30.1e	48.6		41.9e		5.2
Mean	8.3	1.5	19.9	20.5	58.8	30.1	26.5	39.6	66.9	60.6	56.6	10.7
Maximum	13.7	4.2	34.4	50.9	71.1	40.8	34.9	48.6	69.9	70.0	72.2	20.8
Minimum	4.3	0.0	0.0	12.0	34.2	24.2	16.9	33.1	49.9	35.5	22.0	5.2
Total	22	4	53	53	157	78	71	106	173	162	147	29

(Total flows in million cubic metres per month)

Annual statistics

Mean : 33.5 (cubic metres per second)
Maximum : 72.2 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1056 (million cubic metres)

Data availability

Original values : 215
Estimated values (Flag e) : 150
Missing values (Flag m) : 0

Comments : Quality of original data dubious for much of this year

River Shebelli at Audegle 1967

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	5.0	0.0	0.0e	0.0e	35.1e	74.0e	34.1e	51.2e	74.0e	74.0e	74.0e	74.0e
2	4.7	0.0	0.0e	0.0e	38.5e	74.0e	32.0e	53.6e	74.0e	74.0e	74.0e	74.0e
3	4.5	0.0	0.0e	0.0e	43.8e	74.0e	29.9e	55.8e	74.0e	74.0e	74.0e	74.0e
4	4.2	0.0	0.0e	0.0e	50.3e	74.0e	28.5e	57.6e	74.0e	74.0e	74.0e	74.0e
5	3.9	0.0	0.0e	0.0e	52.9e	74.0e	27.1e	59.3e	74.0e	74.0e	74.0e	74.0e
6	3.6	0.0	0.0e	0.0e	54.8e	74.0e	25.7e	60.6e	74.0e	74.0e	74.0e	74.0e
7	3.2	0.0	0.0e	0.0e	58.4e	74.0e	24.3e	61.9e	74.0e	74.0e	74.0e	74.0e
8	3.0	0.0	0.0e	0.0e	64.1e	74.0e	22.9e	63.6e	74.0e	74.0e	74.0e	74.0e
9	2.6	0.0	0.0e	0.0e	71.0e	74.0e	21.7e	65.5e	74.0e	74.0e	74.0e	74.0e
10	2.2	0.0	0.0e	0.0e	74.0e	74.0e	21.0e	67.3e	74.0e	74.0e	74.0e	74.0e
11	1.9	0.0	0.0e	0.0e	74.0e	74.0e	20.5e	69.4e	74.0e	74.0e	74.0e	74.0e
12	1.7	0.0	0.0e	0.0e	74.0e	74.0e	19.3e	71.8e	74.0e	74.0e	74.0e	74.0e
13	1.5	0.0	0.0e	0.0e	74.0e	74.0e	18.2e	73.8e	74.0e	74.0e	74.0e	74.0e
14	1.2	0.0	0.0e	0.0e	74.0e	74.0e	17.5e	74.0e	74.0e	74.0e	74.0e	74.0e
15	1.0	0.0	0.0e	5.9e	74.0e	74.0e	17.0e	74.0e	74.0e	74.0e	74.0e	74.0e
16	0.8	0.0	0.0e	19.1e	72.7e	71.7e	16.6e	74.0e	74.0e	74.0e	74.0e	74.0e
17	0.7	0.0	0.0e	33.2e	73.8e	62.8e	16.5e	74.0e	74.0e	74.0e	74.0e	74.0e
18	0.5	0.0	0.0e	42.2e	74.0e	56.7e	16.8e	74.0e	74.0e	74.0e	74.0e	74.0e
19	0.3	0.0	0.0e	47.5e	74.0e	53.1e	16.9e	74.0e	74.0e	74.0e	74.0e	74.0e
20	0.2	0.0	0.0e	51.8e	74.0e	50.7e	16.7e	74.0e	74.0e	74.0e	74.0e	74.0e
21	0.1	0.0	0.0e	55.9e	74.0e	48.2e	16.4e	74.0e	74.0e	74.0e	74.0e	74.0e
22	0.1	0.0	0.0e	59.7e	74.0e	46.0e	16.5e	74.0e	74.0e	74.0e	74.0e	74.0e
23	0.1	0.0	0.0e	59.5e	74.0e	45.5e	16.8e	74.0e	74.0e	74.0e	74.0e	74.0e
24	0.0	0.0	0.0e	57.0e	74.0e	45.3e	17.5e	74.0e	74.0e	74.0e	74.0e	74.0e
25	0.0	0.0	0.0e	54.1e	74.0e	44.5e	20.3e	74.0e	74.0e	74.0e	74.0e	74.0e
26	0.0	0.0	0.0e	50.8e	74.0e	43.2e	24.7e	74.0e	74.0e	74.0e	74.0e	74.0e
27	0.0	0.0	0.0e	48.1e	74.0e	41.3e	30.0e	74.0e	74.0e	74.0e	74.0e	74.0e
28	0.0	0.0	0.0e	44.4e	74.0e	39.2e	35.0e	74.0e	74.0e	74.0e	74.0e	74.0e
29	0.0		0.0e	39.5e	74.0e	37.3e	39.6e	74.0e	74.0e	74.0e	74.0e	74.0e
30	0.0		0.0e	35.9e	74.0e	35.6e	44.3e	74.0e	74.0e	74.0e	74.0e	74.0e
31	0.0		0.0e		74.0e		48.2e	74.0e		74.0e		73.8e
Mean	1.5	0.0	0.0	23.5	67.6	61.0	24.3	69.1	74.0	74.0	74.0	74.0
Maximum	5.0	0.0	0.0	59.7	74.0	74.0	48.2	74.0	74.0	74.0	74.0	74.0
Minimum	0.0	0.0	0.0	0.0	35.1	35.6	16.4	51.2	74.0	74.0	74.0	73.8
Total	4	0	0	61	181	158	65	185	192	198	192	198

(Total flows in million cubic metres per month)

Annual statistics

Mean : 45.5 (cubic metres per second)
Maximum : 74.0 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1434 (million cubic metres)

Data availability

Original values : 59
Estimated values (Flag e) : 306
Missing values (Flag m) : 0

Comments : No original data after February

River Shebelli at Audegle 1968

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	69.0e	16.7e	11.9e	62.6	73.5	74.1	69.7e	71.9e	74.0e	74.0e	74.0e	50.3e
2	61.9e	17.0e	12.8e	60.1	73.8	73.9	69.5e	71.9e	74.0e	74.0e	74.0e	56.8e
3	57.9e	17.0e	14.6e	57.6	73.8	73.8	69.3e	71.8e	74.0e	74.0e	74.0e	62.1e
4	54.9e	16.6e	15.8e	55.2	74.0	73.8	69.2e	71.7e	74.0e	74.0e	74.0e	66.4e
5	52.1e	16.0e	16.4e	51.5	74.0	73.7	69.0e	72.0e	74.0e	74.0e	74.0e	69.2e
6	48.9e	15.2e	16.8e	49.2	74.0	73.7	68.8e	73.2e	74.0e	74.0e	74.0e	71.9e
7	45.9e	14.7e	17.4e	47.3	74.3	73.5	68.7e	74.0e	74.0e	74.0e	74.0e	74.0e
8	43.7e	14.3e	18.1e	44.4	74.3	73.5	68.5e	74.0e	74.0e	74.0e	74.0e	74.0e
9	41.3e	13.6e	19.2e	40.8	74.5	73.3	67.0e	74.0e	74.0e	74.0e	74.0e	74.0e
10	38.4e	13.5e	21.7e	37.5	74.5	73.4	65.5e	74.0e	74.0e	74.0e	74.0e	74.0e
11	35.8e	13.2e	30.9e	35.1	74.5	73.3	64.4e	74.0e	74.0e	74.0e	74.0e	74.0e
12	33.9e	12.7e	42.2e	34.0	74.5	73.3	64.0e	74.0e	74.0e	74.0e	74.0e	74.0e
13	32.4e	12.3e	51.3e	33.6	74.5	73.3	63.9e	74.0e	74.0e	74.0e	73.4e	74.0e
14	31.2e	11.9e	56.7e	33.5	74.5	73.1	64.3e	74.0e	74.0e	74.0e	69.2e	74.0e
15	30.0e	11.7e	59.5e	34.5	74.6	73.0	64.4e	74.0e	74.0e	74.0e	64.5e	74.0e
16	27.9	11.6e	62.1e	35.7	74.6	72.9	65.6e	74.0e	74.0e	74.0e	59.5e	74.0e
17	27.0	11.2e	64.9e	36.7	74.5	72.7	67.1e	74.0e	74.0e	74.0e	54.6e	74.0e
18	26.3	10.7e	68.1e	39.3	74.6	72.4	67.9e	74.0e	74.0e	74.0e	52.3e	74.0e
19	25.8	10.3e	72.2e	44.7	74.5	71.9	67.6e	74.0e	74.0e	74.0e	51.0e	72.1e
20	25.1	10.1e	74.0e	52.6	74.2	71.3	67.1e	74.0e	74.0e	74.0e	51.4e	66.7e
21	24.1	10.1e	74.0e	60.1	74.3	70.5	66.9e	74.0e	74.0e	74.0e	52.8e	61.6e
22	22.9	10.2e	74.0e	64.3	74.3	69.9	66.9e	74.0e	74.0e	74.0e	52.0e	57.0e
23	22.2	10.1e	74.0e	67.2	74.3	69.3	66.9e	74.0e	74.0e	74.0e	48.8e	53.6e
24	21.4	9.7e	74.0e	69.5	74.4	69.1	67.1e	74.0e	74.0e	74.0e	45.7e	50.8e
25	20.7	9.4e	74.0e	70.8	74.4	69.1	67.9e	74.0e	74.0e	74.0e	43.9e	48.5e
26	19.8	8.8e	74.0e	71.7	74.3	69.1	69.1e	74.0e	74.0e	74.0e	42.9e	46.4e
27	19.0	8.5e	74.0e	72.3	74.2	69.3	70.2e	74.0e	74.0e	74.0e	41.8e	44.8e
28	18.6	8.8e	74.0e	72.5	74.3	69.7	71.1e	74.0e	74.0e	74.0e	40.8e	42.9e
29	18.2	10.6e	74.0e	72.9	74.2	69.9	71.6e	74.0e	74.0e	74.0e	41.5e	40.9e
30	17.9		71.5e	73.4	74.3	69.8	71.8e	74.0e	74.0e	74.0e	44.6e	39.0e
31	17.3		69.0e		74.3		71.9e	74.0e		74.0e		37.1e
Mean	33.3	12.3	50.1	52.7	74.3	72.0	67.8	73.6	74.0	74.0	60.6	62.1
Maximum	69.0	17.0	74.0	73.4	74.6	74.1	71.9	74.0	74.0	74.0	74.0	74.0
Minimum	17.3	8.5	11.9	33.5	73.5	69.1	63.9	71.7	74.0	74.0	40.8	37.1
Total	89	31	134	137	199	187	182	197	192	198	157	166

(Total flows in million cubic metres per month)

Annual statistics

Mean : 59.1 (cubic metres per second)
Maximum : 74.6 (cubic metres per second)
Minimum : 8.5 (cubic metres per second)
Total : 1869 (million cubic metres)

Data availability

Original values : 107
Estimated values (Flag e) : 259
Missing values (Flag m) : 0

Comments : Little original data available

River Shebelli at Audegle 1969

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	35.3e	19.7e	14.7e	74.0e	74.0e	74.0e	33.3e	51.8e	74.0e	74.0e	64.4e	26.8e
2	33.4e	19.3e	13.8e	74.0e	74.0e	74.0e	32.5e	53.6e	74.0e	74.0e	65.9e	24.9e
3	32.0e	18.6e	13.2e	74.0e	74.0e	74.0e	31.6e	55.9e	74.0e	74.0e	64.0e	23.7e
4	30.6e	17.9e	13.0e	74.0e	74.0e	74.0e	30.6e	58.3e	74.0e	74.0e	59.8e	22.6e
5	29.4e	17.5e	16.1e	74.0e	74.0e	74.0e	29.8e	60.4e	74.0e	74.0e	55.1e	21.5e
6	28.1e	17.2e	29.2e	74.0e	70.7e	74.0e	28.6e	62.4e	74.0e	74.0e	52.2e	20.6e
7	26.7e	16.8e	43.9e	74.0e	69.1e	74.0e	27.9e	64.6e	74.0e	74.0e	50.8e	19.2e
8	25.6e	16.4e	52.7e	74.0e	73.4e	74.0e	26.8e	67.0e	74.0e	74.0e	49.4e	17.8e
9	24.5e	15.4e	57.6e	74.0e	74.0e	74.0e	26.2e	69.7e	74.0e	74.0e	47.1e	16.3e
10	23.8e	15.4e	60.9e	74.0e	74.0e	74.0e	25.6e	72.1e	74.0e	74.0e	45.1e	16.2e
11	22.9e	15.1e	62.9e	74.0e	74.0e	74.0e	25.1e	74.0e	74.0e	74.0e	43.1e	16.9e
12	22.2e	14.9e	64.9e	74.0e	74.0e	66.4e	26.7e	74.0e	74.0e	74.0e	41.2e	16.9e
13	21.7e	14.9e	67.0e	74.0e	74.0e	60.3e	31.2e	74.0e	74.0e	74.0e	40.5e	16.5e
14	20.3e	15.1e	68.9e	74.0e	74.0e	56.2e	37.9e	74.0e	74.0e	74.0e	43.4e	15.7e
15	19.7e	15.3e	71.5e	74.0e	74.0e	52.2e	43.8e	74.0e	74.0e	74.0e	50.8e	15.2e
16	19.5e	14.7e	74.0e	74.0e	74.0e	49.3e	46.0e	74.0e	74.0e	74.0e	59.6e	14.9e
17	19.5e	14.6e	74.0e	74.0e	74.0e	47.5e	46.9e	74.0e	74.0e	74.0e	65.9e	14.5e
18	19.4e	15.4e	74.0e	74.0e	74.0e	46.0e	47.4e	74.0e	74.0e	74.0e	68.6e	14.6e
19	19.8e	16.1e	74.0e	74.0e	74.0e	44.6e	47.4e	74.0e	74.0e	74.0e	67.5e	15.2e
20	20.5e	16.8e	74.0e	74.0e	74.0e	43.0e	47.1e	74.0e	74.0e	74.0e	62.2e	15.2e
21	20.9e	18.1e	74.0e	74.0e	74.0e	42.0e	47.6e	74.0e	74.0e	74.0e	55.7e	14.6e
22	20.5e	19.6e	74.0e	74.0e	74.0e	41.0e	51.5e	74.0e	74.0e	74.0e	50.3e	13.3e
23	19.9e	20.1e	74.0e	74.0e	74.0e	40.1e	55.3e	74.0e	74.0e	74.0e	46.9e	11.7e
24	19.9e	20.1e	74.0e	74.0e	74.0e	39.3e	57.1e	74.0e	74.0e	74.0e	42.8e	11.4e
25	19.6e	20.0e	74.0e	74.0e	74.0e	38.3e	58.5e	74.0e	74.0e	74.0e	38.7e	11.9e
26	19.3e	18.9e	74.0e	74.0e	74.0e	37.3e	58.2e	74.0e	74.0e	74.0e	34.6e	11.9e
27	19.4e	17.6e	74.0e	74.0e	74.0e	36.4e	56.8e	74.0e	74.0e	74.0e	32.3e	11.5e
28	19.5e	16.1e	74.0e	74.0e	74.0e	35.8e	54.7e	74.0e	74.0e	69.6e	30.7e	11.0e
29	19.7e		74.0e	74.0e	74.0e	35.0e	52.5e	74.0e	74.0e	64.6e	29.5e	10.1e
30	19.8e		74.0e	74.0e	74.0e	34.0e	51.7e	74.0e	74.0e	62.0e	28.5e	8.9e
31	19.8e		74.0e		74.0e		51.3e	74.0e		62.5e		8.2e
Mean	23.0	17.1	59.2	74.0	73.7	55.3	41.5	70.0	74.0	72.8	49.6	15.8
Maximum	35.3	20.1	74.0	74.0	74.0	74.0	58.5	74.0	74.0	74.0	68.6	26.8
Minimum	19.3	14.6	13.0	74.0	69.1	34.0	25.1	51.8	74.0	62.0	28.5	8.2
Total	62	41	158	192	197	143	111	187	192	195	128	42

(Total flows in million cubic metres per month)

Annual statistics

Mean : 52.3 (cubic metres per second)
Maximum : 74.0 (cubic metres per second)
Minimum : 8.2 (cubic metres per second)
Total : 1650 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data 1969-1970; all values estimated

River Shebelli at Audegle 1970

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.6e	2.3e	9.6e	72.2e	74.0e	74.0e	20.8e	15.3e	74.0e	74.0e	74.0e	43.7e
2	8.0e	1.7e	8.7e	74.0e	74.0e	74.0e	19.5e	22.4e	74.0e	74.0e	74.0e	41.1e
3	7.3e	1.6e	8.1e	74.0e	74.0e	74.0e	18.6e	28.9e	74.0e	74.0e	74.0e	39.1e
4	7.3e	1.6e	7.5e	74.0e	74.0e	74.0e	18.2e	39.6e	74.0e	74.0e	74.0e	37.5e
5	7.5e	1.2e	6.9e	74.0e	74.0e	74.0e	18.0e	50.3e	74.0e	74.0e	74.0e	35.6e
6	7.0e	1.0e	6.7e	74.0e	74.0e	74.0e	18.3e	56.7e	74.0e	74.0e	74.0e	33.6e
7	6.4e	1.2e	6.6e	74.0e	74.0e	71.1e	18.5e	60.1e	74.0e	74.0e	74.0e	31.6e
8	6.2e	4.0e	5.9e	74.0e	74.0e	66.2e	18.6e	62.8e	74.0e	74.0e	74.0e	30.1e
9	5.8e	8.6e	4.8e	74.0e	74.0e	63.3e	18.4e	65.4e	74.0e	74.0e	74.0e	28.8e
10	6.6e	14.9e	4.0e	74.0e	74.0e	60.7e	18.2e	67.9e	74.0e	74.0e	74.0e	27.8e
11	7.1e	22.0e	4.0e	74.0e	74.0e	57.0e	18.3e	69.3e	74.0e	74.0e	74.0e	27.0e
12	6.7e	25.8e	3.8e	74.0e	74.0e	52.6e	18.3e	70.6e	74.0e	74.0e	74.0e	25.8e
13	5.7e	26.8e	3.8e	74.0e	74.0e	48.6e	18.0e	73.0e	74.0e	74.0e	74.0e	24.3e
14	5.4e	26.8e	3.5e	74.0e	74.0e	45.3e	18.0e	74.0e	74.0e	74.0e	74.0e	23.4e
15	5.2e	26.2e	4.0e	74.0e	74.0e	42.4e	18.1e	74.0e	74.0e	74.0e	74.0e	22.3e
16	5.2e	25.1e	15.6e	74.0e	74.0e	39.8e	17.9e	74.0e	74.0e	74.0e	74.0e	21.6e
17	5.3e	24.3e	30.3e	74.0e	74.0e	37.1e	17.9e	74.0e	74.0e	74.0e	74.0e	21.1e
18	5.1e	23.2e	37.0e	74.0e	74.0e	35.3e	18.1e	74.0e	74.0e	74.0e	74.0e	20.8e
19	5.1e	22.0e	37.5e	74.0e	74.0e	34.4e	18.0e	74.0e	74.0e	74.0e	74.0e	20.7e
20	4.8e	20.7e	36.3e	74.0e	74.0e	34.2e	17.9e	74.0e	74.0e	74.0e	74.0e	20.1e
21	4.8e	19.3e	37.2e	74.0e	74.0e	33.8e	17.7e	74.0e	74.0e	74.0e	74.0e	19.6e
22	4.6e	17.1e	41.6e	72.3e	74.0e	32.6e	17.4e	74.0e	74.0e	74.0e	74.0e	19.0e
23	4.4e	14.6e	47.0e	69.9e	74.0e	31.4e	17.3e	74.0e	74.0e	74.0e	74.0e	18.6e
24	4.2e	13.1e	51.5e	69.4e	74.0e	29.9e	16.9e	74.0e	74.0e	74.0e	73.0e	18.3e
25	3.9e	12.3e	53.8e	70.6e	74.0e	28.2e	16.2e	74.0e	74.0e	74.0e	67.7e	18.7e
26	3.6e	11.4e	55.3e	74.0e	74.0e	26.2e	15.2e	74.0e	74.0e	74.0e	62.3e	17.7e
27	3.2e	10.4e	57.2e	74.0e	74.0e	24.6e	14.3e	74.0e	74.0e	74.0e	57.2e	17.2e
28	3.1e	10.1e	60.2e	74.0e	74.0e	23.5e	13.7e	74.0e	74.0e	74.0e	52.6e	16.6e
29	3.0e		63.7e	74.0e	74.0e	22.9e	13.4e	74.0e	74.0e	74.0e	48.8e	15.1e
30	3.1e		66.5e	74.0e	74.0e	22.1e	13.3e	74.0e	74.0e	74.0e	45.7e	13.7e
31	2.6e		69.0e		74.0e		13.0e	74.0e		74.0e		13.5e
Mean	5.4	13.9	27.3	73.5	74.0	46.9	17.3	65.0	74.0	74.0	70.3	24.6
Maximum	8.6	26.8	69.0	74.0	74.0	74.0	20.8	74.0	74.0	74.0	74.0	43.7
Minimum	2.6	1.0	3.5	69.4	74.0	22.1	13.0	15.3	74.0	74.0	45.7	13.5
Total	14	34	73	190	198	122	46	174	192	198	182	66

(Total flows in million cubic metres per month)

Annual statistics

Mean : 47.3 (cubic metres per second)
Maximum : 74.0 (cubic metres per second)
Minimum : 1.0 (cubic metres per second)
Total : 1490 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data 1969-1970; all values estimated

River Shebelli at Audegle 1971

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	13.6e	6.2e	1.3e	0.9e	64.2e	79.5e	40.9e	79.5	82.2	81.2	80.2e	73.4e
2	13.5e	6.4e	1.2e	0.9e	62.0e	77.1e	51.3e	79.2	82.2	80.9	80.3e	82.0e
3	13.9e	6.6e	1.2e	0.9e	59.1e	74.7e	59.5e	78.6	82.6	80.6	80.4e	82.0e
4	13.9e	5.9e	1.1e	0.9e	55.1e	70.3e	64.7e	79.2	82.2	80.6	80.6e	82.0e
5	13.9e	5.3e	1.1e	0.9e	52.3e	64.9e	66.4e	79.2	82.2	80.6	80.7e	82.0e
6	13.5e	4.9e	1.2e	0.9e	49.9e	60.3e	66.1e	79.3	82.7	80.5	80.8e	78.6e
7	13.1e	4.8e	1.4e	0.9e	50.1e	57.5e	64.8e	79.3	83.2	78.9	80.9e	71.2e
8	12.6e	5.2e	1.4e	0.9e	57.9e	56.5e	63.6e	79.5	83.3	77.5	81.1e	64.6e
9	12.1e	4.9e	1.4e	0.9e	66.4e	56.1e	63.6e	79.5	83.3	76.3	81.2e	58.3e
10	11.3e	4.5e	1.9e	0.9e	73.3e	57.5e	65.7e	79.0	83.3	75.3	81.3e	53.0e
11	10.9e	4.0e	2.0e	0.9e	76.1e	59.3e	67.3e	78.7	83.3	74.3	81.4e	49.0e
12	10.5e	3.8e	1.9e	0.9e	75.3e	60.1e	67.7e	78.5	83.3	73.0	77.8e	45.5e
13	9.9e	3.8e	1.5e	0.9e	71.9e	58.7e	68.5e	78.5	83.3	71.7	72.9e	43.3e
14	9.6e	3.7e	1.2e	0.9e	66.9e	55.6e	67.9e	79.4	83.3	71.2	68.7e	40.5e
15	9.3e	2.7e	1.0e	1.4e	64.5e	52.0e	65.3e	79.6	83.3	71.2	65.4e	37.8e
16	8.7e	2.8e	0.9e	6.7e	64.3e	48.9e	62.7e	80.8	83.3	71.7	62.6e	35.8e
17	7.8e	3.1e	0.9e	16.2e	69.4e	46.7e	59.5e	81.3	83.3	74.0	59.4e	33.9e
18	7.5e	2.3e	0.9e	22.1e	73.7e	45.2e	56.0e	81.4	83.3	74.3	53.9e	32.0e
19	7.3e	2.0e	0.9e	24.7e	76.6e	43.9e	56.0e	80.9	83.3	75.3	48.8e	30.3e
20	7.4e	2.3e	0.9e	25.0e	79.4e	42.4e	58.2e	80.9	83.3	77.7	45.7e	28.9e
21	7.6e	2.3e	0.9e	25.0e	81.4e	40.3e	61.5e	81.6	83.0	78.3	43.7e	27.8e
22	7.7e	2.1e	0.9e	28.1e	81.9e	37.9e	67.8	81.7	83.0	78.7	41.4e	26.8e
23	7.7e	1.8e	0.9e	32.3e	81.9e	34.9e	70.0	81.8	83.0	79.0	38.9e	25.7e
24	7.4e	1.6e	0.9e	38.7e	82.0e	32.3e	71.6	81.7	82.9	79.0	37.5e	24.0e
25	6.8e	1.4e	0.9e	45.5e	82.0e	30.2e	72.7	81.7	82.0	79.0	36.6e	23.0e
26	6.3e	1.4e	0.9e	51.2e	82.0e	29.0e	72.9	82.2	81.9	79.5	36.3e	22.8e
27	5.8e	1.9e	0.9e	57.6e	82.0e	28.5e	73.9	82.7	81.7	79.5	37.7e	22.2e
28	5.6e	1.7e	0.9e	61.4e	82.0e	28.4e	77.3	82.7	81.7	80.0	41.0e	21.2e
29	6.1e		0.9e	64.2e	82.0e	28.9e	78.9	82.7	81.7	80.1	51.1e	19.5e
30	6.6e		0.9e	65.2e	82.0e	32.3e	79.2	82.6	81.6	80.1	61.2e	18.6e
31	6.8e		0.9e		82.0e		79.5	82.2		80.1		17.7e
Mean	9.5	3.6	1.1	19.3	71.3	49.7	65.8	80.5	82.7	77.4	62.3	43.7
Maximum	13.9	6.6	2.0	65.2	82.0	79.5	79.5	82.7	83.3	81.2	81.4	82.0
Minimum	5.6	1.4	0.9	0.9	49.9	28.4	40.9	78.5	81.6	71.2	36.3	17.7
Total	25	9	3	50	191	129	176	216	214	207	162	117

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	47.5	(cubic metres per second)
Maximum	:	83.3	(cubic metres per second)
Minimum	:	0.9	(cubic metres per second)
Total	:	1499	(million cubic metres)

Data availability

Original values	:	102
Estimated values (Flag e)	:	263
Missing values (Flag m)	:	0

Comments : About 3 months original data in Der season - the only observations available in the period 1969-1975

River Shebelli at Audegle 1972

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	17.4e	4.5e	42.9e	6.2e	64.4e	82.0e	33.3e	82.0e	82.0e	82.0e	82.0e	45.4e
2	16.2e	4.3e	44.4e	5.9e	73.4e	82.0e	40.9e	82.0e	82.0e	82.0e	82.0e	43.1e
3	14.8e	4.7e	43.5e	5.0e	77.8e	82.0e	41.9e	82.0e	82.0e	82.0e	82.0e	42.5e
4	13.7e	4.6e	40.5e	4.3e	78.9e	82.0e	37.8e	82.0e	82.0e	82.0e	82.0e	41.1e
5	13.0e	4.3e	36.7e	3.4e	79.5e	82.0e	33.1e	82.0e	82.0e	82.0e	82.0e	38.4e
6	12.4e	4.1e	33.1e	2.4e	81.9e	82.0e	31.1e	82.0e	82.0e	82.0e	75.1e	36.9e
7	11.8e	4.1e	29.4e	1.4e	82.0e	82.0e	29.5e	82.0e	82.0e	82.0e	70.2e	35.8e
8	11.3e	4.0e	26.7e	1.0e	82.0e	82.0e	26.6e	82.0e	82.0e	82.0e	69.4e	34.3e
9	10.4e	3.3e	24.8e	0.9e	82.0e	82.0e	25.4e	82.0e	82.0e	82.0e	70.3e	31.9e
10	10.3e	2.7e	22.5e	1.2e	82.0e	82.0e	25.5e	82.0e	82.0e	82.0e	75.0e	31.3e
11	9.4e	2.4e	20.6e	9.7e	82.0e	82.0e	27.0e	82.0e	82.0e	82.0e	81.8e	31.3e
12	8.6e	2.0e	18.4e	19.7e	82.0e	82.0e	31.2e	82.0e	82.0e	82.0e	82.0e	31.3e
13	8.7e	1.6e	15.9e	21.5e	82.0e	82.0e	41.4e	82.0e	82.0e	82.0e	82.0e	31.1e
14	8.4e	1.2e	13.6e	20.6e	82.0e	82.0e	46.9e	82.0e	82.0e	82.0e	82.0e	30.4e
15	7.7e	0.9e	12.5e	19.6e	82.0e	82.0e	48.6e	82.0e	82.0e	82.0e	82.0e	30.0e
16	7.9e	0.9e	12.1e	17.3e	82.0e	82.0e	49.6e	82.0e	82.0e	82.0e	82.0e	29.1e
17	7.9e	0.9e	11.1e	16.6e	82.0e	77.9e	50.2e	82.0e	82.0e	82.0e	82.0e	28.2e
18	7.3e	0.9e	10.1e	15.2e	82.0e	70.7e	52.2e	82.0e	82.0e	82.0e	82.0e	27.5e
19	6.6e	0.9e	9.8e	14.6e	82.0e	64.5e	55.9e	82.0e	82.0e	82.0e	82.0e	24.9e
20	6.4e	0.9e	8.7e	14.4e	82.0e	59.4e	62.9e	82.0e	82.0e	82.0e	82.0e	22.6e
21	6.5e	0.9e	8.4e	14.3e	82.0e	54.9e	64.8e	82.0e	82.0e	82.0e	82.0e	20.9e
22	7.5e	0.9e	9.1e	14.4e	82.0e	52.1e	67.4e	82.0e	82.0e	82.0e	82.0e	20.3e
23	7.7e	0.9e	11.0e	14.1e	82.0e	48.9e	71.1e	82.0e	82.0e	82.0e	82.0e	20.1e
24	7.6e	0.9e	13.4e	12.1e	82.0e	43.0e	72.8e	82.0e	82.0e	82.0e	80.2e	19.8e
25	7.6e	0.9e	13.9e	10.1e	82.0e	38.4e	76.6e	82.0e	82.0e	82.0e	76.9e	19.6e
26	7.6e	0.9e	12.7e	10.9e	82.0e	35.8e	79.6e	82.0e	82.0e	82.0e	72.3e	19.3e
27	7.1e	1.0e	11.9e	18.1e	82.0e	33.9e	82.0e	82.0e	82.0e	82.0e	61.9e	19.0e
28	6.6e	17.1e	10.7e	31.4e	82.0e	33.2e	82.0e	82.0e	82.0e	82.0e	55.6e	18.8e
29	6.4e	34.6e	9.0e	45.9e	82.0e	31.7e	82.0e	82.0e	82.0e	82.0e	52.2e	18.5e
30	6.2e		7.6e	57.2e	82.0e	31.3e	82.0e	82.0e	82.0e	82.0e	49.3e	18.1e
31	5.7e		7.3e		82.0e		82.0e	82.0e		82.0e		15.9e
Mean	9.3	3.8	19.1	14.3	80.8	66.3	52.7	82.0	82.0	82.0	76.1	28.3
Maximum	17.4	34.6	44.4	57.2	82.0	82.0	82.0	82.0	82.0	82.0	82.0	45.4
Minimum	5.7	0.9	7.3	0.9	64.4	31.3	25.4	82.0	82.0	82.0	49.3	15.9
Total	25	10	51	37	217	172	141	220	213	220	197	76

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	49.9	(cubic metres per second)
Maximum	:	82.0	(cubic metres per second)
Minimum	:	0.9	(cubic metres per second)
Total	:	1577	(million cubic metres)

Data availability

Original values	:	0
Estimated values (Flag e)	:	366
Missing values (Flag m)	:	0

Comments : No original data 1972-1975; all values estimated

River Shebelli at Audegle 1973

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	12.3e	1.0e	0.0e	0.0e	0.0e	54.6e	13.5e	24.2e	82.0e	82.0e	82.0e	14.4e
2	11.1e	0.9e	0.0e	0.0e	0.0e	52.1e	12.8e	29.8e	82.0e	82.0e	82.0e	13.8e
3	9.8e	0.9e	0.0e	0.0e	0.0e	53.2e	12.4e	39.0e	82.0e	82.0e	82.0e	13.4e
4	9.4e	0.8e	0.0e	0.0e	0.0e	59.4e	11.7e	49.2e	82.0e	82.0e	82.0e	13.2e
5	9.4e	0.6e	0.0e	0.0e	0.0e	63.6e	11.2e	56.6e	82.0e	82.0e	82.0e	13.3e
6	9.3e	0.5e	0.0e	0.0e	1.7e	67.1e	9.8e	60.6e	82.0e	82.0e	82.0e	10.0e
7	9.1e	0.4e	0.0e	0.0e	16.9e	67.9e	8.9e	62.3e	82.0e	82.0e	77.2e	8.8e
8	8.7e	0.3e	0.0e	0.0e	28.4e	66.3e	8.6e	62.8e	82.0e	82.0e	68.0e	8.0e
9	8.1e	0.1e	0.0e	0.0e	38.6e	60.5e	7.9e	62.4e	82.0e	81.9e	60.0e	6.9e
10	7.5e	0.0e	0.0e	0.0e	44.7e	51.7e	7.0e	60.9e	82.0e	80.2e	54.9e	6.4e
11	7.3e	0.0e	0.0e	0.0e	49.6e	42.3e	6.1e	58.2e	82.0e	77.0e	52.4e	5.7e
12	7.0e	0.0e	0.0e	0.0e	55.1e	36.9e	5.4e	54.7e	82.0e	74.1e	50.8e	4.9e
13	6.6e	0.0e	0.0e	0.0e	59.3e	32.9e	5.3e	51.3e	82.0e	71.9e	46.1e	4.2e
14	5.7e	0.0e	0.0e	0.0e	58.1e	29.4e	5.3e	48.4e	82.0e	68.9e	40.1e	3.7e
15	5.4e	0.0e	0.0e	0.0e	46.5e	27.0e	5.0e	47.3e	82.0e	64.4e	36.8e	3.1e
16	5.3e	0.0e	0.0e	0.0e	35.2e	25.6e	4.8e	47.6e	82.0e	60.4e	34.4e	2.3e
17	5.2e	0.0e	0.0e	0.0e	30.0e	24.7e	8.3e	48.2e	82.0e	58.4e	32.6e	1.9e
18	4.9e	0.0e	0.0e	0.0e	27.7e	21.6e	10.3e	50.6e	82.0e	58.3e	31.0e	1.4e
19	4.6e	0.0e	0.0e	0.0e	25.1e	19.4e	10.7e	56.0e	82.0e	63.8e	29.2e	0.9e
20	4.2e	0.0e	0.0e	0.0e	22.2e	17.1e	10.5e	62.5e	82.0e	71.0e	28.0e	0.5e
21	4.1e	0.0e	0.0e	0.0e	21.5e	16.5e	9.8e	68.2e	82.0e	78.8e	26.5e	0.0e
22	4.0e	0.0e	0.0e	0.0e	24.9e	16.4e	9.1e	72.0e	82.0e	82.0e	24.9e	0.0e
23	3.7e	0.0e	0.0e	0.0e	27.9e	15.7e	8.5e	74.7e	82.0e	82.0e	23.5e	0.0e
24	3.0e	0.0e	0.0e	0.0e	29.6e	14.8e	8.2e	76.0e	82.0e	82.0e	21.9e	0.0e
25	2.7e	0.0e	0.0e	0.0e	32.3e	14.5e	8.0e	76.6e	82.0e	82.0e	20.6e	0.0e
26	2.4e	0.0e	0.0e	0.0e	36.1e	14.5e	7.8e	77.7e	82.0e	82.0e	19.5e	0.0e
27	2.0e	0.0e	0.0e	0.0e	40.2e	14.5e	8.0e	79.3e	82.0e	82.0e	18.3e	0.0e
28	1.7e	0.0e	0.0e	0.0e	48.6e	14.4e	10.0e	81.1e	82.0e	82.0e	16.9e	0.0e
29	1.6e		0.0e	0.0e	54.9e	13.8e	15.0e	82.0e	82.0e	82.0e	15.6e	0.0e
30	1.3e		0.0e	0.0e	55.4e	13.5e	18.4e	82.0e	82.0e	82.0e	14.7e	0.0e
31	1.1e		0.0e		55.1e		20.7e	82.0e		82.0e		0.0e
Mean	5.8	0.2	0.0	0.0	31.2	34.1	9.6	60.8	82.0	76.9	44.5	4.4
Maximum	12.3	1.0	0.0	0.0	59.3	67.9	20.7	82.0	82.0	82.0	82.0	14.4
Minimum	1.1	0.0	0.0	0.0	0.0	13.5	4.8	24.2	82.0	58.3	14.7	0.0
Total	15	0	0	0	83	88	26	163	213	206	115	12

(Total flows in million cubic metres per month)

Annual statistics

Mean : 29.2 (cubic metres per second)
Maximum : 82.0 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 922 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data 1972-1975; all values estimated

River Shebelli at Audegle 1974

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0e	0.0e	0.0e	0.0e	35.0e	81.1e	55.7e	81.1e	81.1e	81.1e	36.4e	13.1e
2	0.0e	0.0e	0.0e	0.0e	31.9e	80.0e	53.9e	76.7e	81.1e	81.1e	34.3e	12.1e
3	0.0e	0.0e	0.0e	0.0e	29.5e	75.3e	51.6e	69.3e	81.1e	81.1e	32.8e	11.1e
4	0.0e	0.0e	0.0e	0.0e	26.3e	64.5e	49.0e	63.7e	81.1e	81.1e	31.9e	9.9e
5	0.0e	0.0e	0.0e	0.0e	23.7e	53.2e	45.8e	59.2e	81.1e	81.1e	30.9e	8.0e
6	0.0e	0.0e	0.0e	0.0e	21.7e	44.8e	41.7e	56.6e	81.1e	81.1e	29.4e	7.6e
7	0.0e	0.0e	0.0e	0.0e	20.0e	37.7e	38.1e	54.4e	81.1e	81.1e	28.1e	6.8e
8	0.0e	0.0e	0.0e	0.0e	17.7e	33.1e	37.1e	55.2e	81.1e	81.1e	26.3e	6.1e
9	0.0e	0.0e	0.0e	0.0e	14.5e	29.9e	36.3e	61.1e	81.1e	81.1e	25.7e	4.6e
10	0.0e	0.0e	0.0e	0.0e	12.8e	26.8e	35.2e	69.1e	81.1e	81.1e	25.0e	3.1e
11	0.0e	0.0e	0.0e	7.7e	12.2e	23.8e	34.5e	75.5e	81.1e	81.1e	24.1e	2.5e
12	0.0e	0.0e	0.0e	42.9e	12.3e	35.8e	33.9e	79.8e	81.1e	81.1e	23.3e	2.0e
13	0.0e	0.0e	0.0e	63.6e	12.5e	53.9e	34.0e	81.1e	81.1e	81.1e	21.8e	2.0e
14	0.0e	0.0e	0.0e	70.5e	14.5e	66.4e	34.7e	81.1e	81.1e	81.1e	21.3e	1.4e
15	0.0e	0.0e	0.0e	74.0e	17.3e	73.6e	34.7e	81.1e	81.1e	81.1e	20.1e	0.6e
16	0.0e	0.0e	0.0e	75.9e	19.5e	77.3e	34.0e	81.1e	81.1e	81.1e	18.9e	0.1e
17	0.0e	0.0e	0.0e	77.0e	18.5e	77.3e	32.8e	81.1e	81.1e	81.1e	18.6e	0.0e
18	0.0e	0.0e	0.0e	77.9e	15.7e	75.4e	32.7e	81.1e	81.1e	76.8e	19.3e	0.5e
19	0.0e	0.0e	0.0e	78.0e	14.6e	72.1e	40.2e	81.1e	81.1e	72.9e	19.3e	0.5e
20	0.0e	0.0e	0.0e	76.2e	16.6e	67.6e	51.8e	81.1e	81.1e	69.0e	19.6e	0.1e
21	0.0e	0.0e	0.0e	73.0e	22.6e	61.1e	60.0e	81.1e	81.1e	63.8e	19.4e	0.0e
22	0.0e	0.0e	0.0e	67.3e	35.6e	61.1e	67.1e	81.1e	81.1e	61.0e	18.9e	0.0e
23	0.0e	0.0e	0.0e	61.3e	52.7e	61.3e	74.4e	81.1e	81.1e	58.7e	18.5e	0.0e
24	0.0e	0.0e	0.0e	55.8e	64.4e	56.5e	78.8e	81.1e	81.1e	56.2e	18.5e	0.0e
25	0.0e	0.0e	0.0e	54.1e	71.5e	51.7e	81.1e	81.1e	81.1e	53.9e	17.7e	0.0e
26	0.0e	0.0e	0.0e	52.9e	76.4e	48.2e	81.1e	81.1e	81.1e	51.5e	16.6e	0.0e
27	0.0e	0.0e	0.0e	50.4e	78.7e	45.3e	81.1e	81.1e	81.1e	49.0e	15.5e	0.0e
28	0.0e	0.0e	0.0e	47.2e	80.8e	42.8e	81.1e	81.1e	81.1e	46.5e	14.6e	0.0e
29	0.0e		0.0e	43.2e	81.1e	46.2e	81.1e	81.1e	81.1e	44.0e	14.4e	0.0e
30	0.0e		0.0e	38.8e	81.1e	51.7e	81.1e	81.1e	81.1e	41.2e	14.0e	0.0e
31	0.0e		0.0e		81.1e		81.1e	81.1e		38.9e		0.0e
Mean	0.0	0.0	0.0	39.6	35.9	55.8	53.4	75.6	81.1	69.7	22.5	3.0
Maximum	0.0	0.0	0.0	78.0	81.1	81.1	81.1	81.1	81.1	81.1	36.4	13.1
Minimum	0.0	0.0	0.0	0.0	12.2	23.8	32.7	54.4	81.1	38.9	14.0	0.0
Total	0	0	0	103	96	145	143	202	210	187	58	8

(Total flows in million cubic metres per month)

Annual statistics

Mean : 36.5 (cubic metres per second)
Maximum : 81.1 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1152 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data 1972-1975; all values estimated

River Shebelli at Audegle 1975

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0e	0.0e	0.0e	0.0e	50.3e	73.3e	12.1e	77.1e	82.0e	82.0e	57.0e	10.8e
2	0.0e	0.0e	0.0e	0.0e	47.0e	74.4e	12.7e	80.5e	82.0e	82.0e	57.0e	11.7e
3	0.0e	0.0e	0.0e	0.0e	44.0e	75.5e	14.0e	82.0e	82.0e	82.0e	56.8e	11.6e
4	0.0e	0.0e	0.0e	0.0e	41.7e	76.3e	14.4e	82.0e	82.0e	82.0e	56.5e	11.3e
5	0.0e	0.0e	0.0e	0.0e	35.6e	74.9e	13.0e	82.0e	82.0e	82.0e	54.2e	10.7e
6	0.0e	0.0e	0.0e	0.0e	32.8e	72.0e	11.2e	82.0e	82.0e	82.0e	51.1e	9.7e
7	0.0e	0.0e	0.0e	0.0e	31.6e	67.9e	11.4e	82.0e	82.0e	82.0e	48.6e	8.9e
8	0.0e	0.0e	0.0e	0.0e	31.0e	65.2e	12.7e	82.0e	82.0e	82.0e	46.2e	8.4e
9	0.0e	0.0e	0.0e	0.0e	37.5e	67.6e	19.5e	82.0e	82.0e	82.0e	43.5e	7.9e
10	0.0e	0.0e	0.0e	0.0e	38.2e	70.6e	26.9e	82.0e	82.0e	82.0e	41.8e	7.2e
11	0.0e	0.0e	0.0e	0.0e	34.3e	71.7e	29.0e	82.0e	82.0e	82.0e	39.1e	6.8e
12	0.0e	0.0e	0.0e	0.0e	31.3e	71.9e	29.1e	82.0e	82.0e	82.0e	30.3e	6.5e
13	0.0e	0.0e	0.0e	0.0e	27.5e	71.9e	29.1e	82.0e	82.0e	82.0e	20.8e	6.3e
14	0.0e	0.0e	0.0e	0.0e	25.2e	57.9e	29.1e	82.0e	82.0e	82.0e	15.5e	6.2e
15	0.0e	0.0e	0.0e	0.0e	25.0e	55.8e	29.2e	82.0e	82.0e	82.0e	14.5e	6.1e
16	0.0e	0.0e	0.0e	0.0e	29.5e	51.3e	30.8e	82.0e	82.0e	82.0e	14.2e	5.5e
17	0.0e	0.0e	0.0e	0.0e	37.4e	44.4e	32.9e	82.0e	82.0e	82.0e	14.0e	5.2e
18	0.0e	0.0e	0.0e	0.0e	41.8e	37.4e	33.4e	82.0e	82.0e	82.0e	13.9e	5.1e
19	0.0e	0.0e	0.0e	0.0e	42.7e	29.1e	31.9e	82.0e	82.0e	82.0e	13.8e	4.9e
20	0.0e	0.0e	0.0e	0.0e	42.1e	22.4e	30.5e	82.0e	82.0e	82.0e	16.9e	4.9e
21	0.0e	0.0e	0.0e	0.0e	38.9e	20.6e	29.4e	82.0e	82.0e	82.0e	19.8e	4.9e
22	0.0e	0.0e	0.0e	0.0e	35.0e	19.0e	28.4e	82.0e	82.0e	81.4e	19.0e	5.0e
23	0.0e	0.0e	0.0e	0.0e	37.3e	17.0e	29.1e	82.0e	82.0e	76.5e	17.1e	5.0e
24	0.0e	0.0e	0.0e	0.0e	42.8e	15.7e	34.5e	82.0e	82.0e	74.1e	16.5e	5.0e
25	0.0e	0.0e	0.0e	0.0e	55.0e	14.2e	43.6e	82.0e	82.0e	72.0e	16.0e	4.6e
26	0.0e	0.0e	0.0e	0.0e	63.7e	17.2e	50.7e	82.0e	82.0e	68.0e	14.8e	4.3e
27	0.0e	0.0e	0.0e	6.7e	67.4e	18.3e	56.6e	82.0e	82.0e	63.1e	13.1e	4.3e
28	0.0e	0.0e	0.0e	27.8e	68.1e	16.8e	59.7e	82.0e	82.0e	60.5e	12.3e	4.1e
29	0.0e		0.0e	47.3e	68.2e	13.5e	63.4e	82.0e	82.0e	58.3e	11.6e	4.0e
30	0.0e		0.0e	52.7e	69.5e	11.3e	68.2e	82.0e	82.0e	57.2e	11.0e	4.0e
31	0.0e		0.0e		71.8e		73.5e	82.0e		57.0e		4.0e
Mean	0.9	0.9	0.9	5.3	43.4	46.5	31.9	81.8	82.0	77.1	28.6	6.6
Maximum	0.0	0.0	0.0	52.7	71.8	76.3	73.5	82.0	82.0	82.0	57.0	11.7
Minimum	0.0	0.0	0.0	0.0	25.0	11.3	11.2	77.1	82.0	57.0	11.0	4.0
Total	0	0	0	12	116	121	86	219	213	206	74	18

(Total flows in million cubic metres per month)

Annual statistics

Mean : 34.0 (cubic metres per second)
Maximum : 82.0 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1064 (million cubic metres)

Data availability

Original values : 0
Estimated values (Flag e) : 365
Missing values (Flag m) : 0

Comments : No original data 1972-1975; all values estimated

River Shebelli at Audegle 1976

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.9e	0.0e	0.0e	0.0e	78.9	85.7	70.2	81.9	84.6	79.5	40.9	75.3
2	3.5e	0.0e	0.0e	0.0e	76.9	85.9	69.4	82.2	84.6	79.5	39.8	74.8
3	3.0e	0.0e	0.0e	0.0e	74.4	85.5	67.0	82.7	84.8	79.5	38.3	73.7
4	2.5e	0.0e	0.0e	0.0e	72.7	85.4	61.8	82.7	84.6	79.5	40.0	71.6
5	2.2e	0.0e	0.0e	0.0e	70.7	85.7	57.4	82.7	84.6	79.5	45.2	67.4
6	1.9e	0.0e	0.0e	0.0e	68.2	85.5	54.7	82.7	84.6	79.5	49.6	65.1
7	1.9e	0.0e	0.0e	0.0e	65.8	85.4	52.4	82.2	84.9	79.8	48.8	59.6
8	1.8e	0.0e	0.0e	0.0e	62.2	84.9	51.5	82.2	84.9	79.8	44.9	59.0
9	1.6e	0.0e	0.0e	0.0e	60.1	84.9	50.2	82.4	84.8	80.3	39.9	51.8
10	1.4e	0.0e	0.0e	0.0e	59.1	84.6	49.5	81.7	83.9	80.2	35.6	49.3
11	1.2e	0.0e	0.0e	0.0e	59.1	83.9	49.4	81.2	83.8	79.1	32.1	45.1
12	0.9e	0.0e	0.0e	0.0e	60.8	83.8	49.3	81.0	83.3	78.9	34.4	42.6
13	0.7e	0.0e	0.0e	0.0e	61.7	83.5	48.3	79.8	83.8	77.5	42.7	40.0
14	0.5e	0.0e	0.0e	0.0e	66.3	82.8	46.7	81.5	83.8	76.8	59.9	38.1
15	0.2e	0.0e	0.0e	0.0e	71.1	82.8	44.8	81.9	83.8	74.5	66.1	36.0
16	0.0e	0.0e	0.0e	0.0e	74.3	83.2	42.7	81.9	83.0	73.7	68.4	33.9
17	0.0e	0.0e	0.0e	0.0e	79.0	82.5	41.4	81.2	82.5	72.2	68.6	32.2
18	0.0e	0.0e	0.0e	0.0e	79.6	82.8	40.4	80.9	82.4	70.2	69.8	31.2
19	0.0e	0.0e	0.0e	0.0e	80.7	83.7	40.2	80.9	82.2	67.7	71.6	28.9
20	0.0e	0.0e	0.0e	2.9e	80.9	84.3	39.4	82.2	82.2	61.9	73.6	27.6
21	0.0e	0.0e	0.0e	28.1e	82.1	84.3	39.6	84.4	81.9	57.9	74.2	27.1
22	0.0e	0.0e	0.0e	51.4	82.2	83.6	52.8	84.9	81.9	53.3	73.8	25.7
23	0.0e	0.0e	0.0e	59.2	82.7	83.7	63.2	84.9	81.7	50.8	74.2	24.5
24	0.0e	0.0e	0.0e	70.8	82.8	82.2	71.1	85.1	81.2	49.5	74.3	22.0
25	0.0e	0.0e	0.0e	76.7	83.2	79.0	75.1	84.9	81.1	48.9	74.7	21.7
26	0.0e	0.0e	0.0e	79.1	83.3	74.4	77.3	84.9	80.6	48.1	74.8	21.3
27	0.0e	0.0e	0.0e	80.0	84.3	68.7	78.9	84.9	80.1	47.6	75.0	21.0
28	0.0e	0.0e	0.0e	80.8	84.8	61.9	79.5	84.9	79.6	46.8	74.3	20.6
29	0.0e	0.0e	0.0e	81.0	84.9	57.8	80.3	84.6	79.5	45.1	74.6	19.9
30	0.0e		0.0e	79.6	85.6	69.7	81.3	84.6	79.5	44.3	75.7	19.5
31	0.0e		0.0e		85.7		81.4	84.4		43.0		19.1
Mean	0.9	0.0	0.0	23.0	75.0	81.1	58.3	82.8	82.8	66.6	58.5	40.2
Maximum	3.9	0.0	0.0	81.0	85.7	85.9	81.4	85.1	84.9	80.3	75.7	75.3
Minimum	0.0	0.0	0.0	0.0	59.1	57.8	39.4	79.8	79.5	43.0	32.1	19.1
Total	2	0	0	60	201	210	156	222	215	178	152	108

(Total flows in million cubic metres per month)

Annual statistics

Mean : 47.5 (cubic metres per second)
Maximum : 85.9 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1503 (million cubic metres)

Data availability

Original values : 254
Estimated values (Flag e) : 112
Missing values (Flag m) : 0

Comments : Observations resumed in April - quality reasonable

River Shebelli at Audegle 1977

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	18.1	8.1	9.9	11.2	88.7	84.6	39.7e	87.9	89.0	79.8	85.4	91.6
2	17.3	8.1	9.8	12.1	89.0	84.1	39.3e	87.9	88.8	79.3	85.2	91.2
3	16.6	7.0	10.1	12.8	89.5	83.0	39.5e	89.1	89.4	78.5	85.7	91.2
4	16.2	6.5	10.4	11.5	90.5	81.8	41.5e	89.8	89.5	77.7	85.9	91.7
5	15.6	5.6	10.5	10.6	90.6	77.3	45.3e	90.1	90.0	77.6	86.0	92.0
6	14.6	5.2	11.9	9.8	90.9	72.3	41.8e	90.3	89.1	77.3	85.7	92.0
7	12.4	5.2	22.2	9.1	91.1	70.9	40.8e	90.4	88.7	78.6	85.6	91.5
8	11.2	5.0	23.8	8.4	90.9	69.9	41.5e	90.6	87.9	79.5	85.2	91.5
9	11.0	4.8	25.0	8.0	90.6	68.9	42.8e	90.1	86.9	79.8	84.6	93.1
10	10.8	4.9	27.2	7.1	90.6	68.3	44.7e	89.5	86.5	79.8	83.8	91.4
11	10.7	6.5	22.3	9.7	90.6	67.8	46.2e	89.0	86.5	80.6	82.9	91.2
12	10.6	8.3	20.2	12.8	90.1	67.2	48.2e	88.7	86.0	81.8	84.4	91.7
13	10.6	11.3	19.8	15.3	90.6	64.7	49.6e	88.0	85.7	82.4	83.7	92.7
14	10.4	12.9	19.0	16.4	90.6	66.6	51.1e	87.9	85.1	82.2	85.1	92.8
15	10.2	13.3	18.0	18.2	90.4	68.2	52.1e	88.1	83.9	81.7	86.1	93.1
16	10.1	13.0	13.6	21.9	90.1	68.8	52.8e	88.2	82.6	81.1	86.3	93.3
17	9.8	12.7	14.5	29.8	90.0	69.3	53.3e	88.4	81.9	80.6	86.7	91.9
18	9.7	12.4	14.6	44.3	89.6	69.3	54.4e	87.9	80.9	79.9	86.6	91.7
19	9.6	13.0	12.8	57.9	89.2	69.4	59.0e	87.9	80.3	80.5	86.8	91.9
20	9.2	13.6	11.4	64.2	88.7	70.5	62.2e	88.7	83.4	79.5	87.3	91.3
21	8.9	13.7	9.9	74.0	88.2	70.6	63.1e	89.5	83.8	79.2	87.4	91.8
22	8.5	13.9	9.0	75.3	88.1	70.4	63.4e	90.0	83.0	79.0	87.9	93.0
23	8.3	14.6	8.3	79.5	87.9	66.4	64.3e	90.1	82.5	79.6	89.1	90.3
24	8.1	14.6	7.9	81.8	87.4	62.0	70.3e	90.6	81.4	81.2	89.6	87.8
25	8.0	14.0	6.9	83.8	86.8	58.0	78.1e	90.6	80.4	81.9	88.1	82.7
26	7.5	13.0	6.3	87.0	86.0	54.3	82.8e	90.1	80.3	81.9	89.2	77.6
27	7.2	11.5	5.7	87.7	85.5	46.6	87.7e	89.6	80.6	81.9	89.9	74.3
28	6.9	11.0	6.9	87.9	85.2	44.0	87.9e	89.5	81.3	82.3	89.2	69.0
29	6.9		9.6	88.1	85.2	42.8	87.9e	89.2	80.6	82.6	90.5	64.9
30	6.6		11.2	88.4	85.6	41.7	87.9e	88.5	79.9	84.4	91.1	59.5
31	6.3		11.4		85.2		87.9e	88.9		84.9		55.1
Mean	10.6	10.1	13.6	40.8	88.8	66.7	58.3	89.2	84.5	80.5	86.7	86.6
Maximum	18.1	14.6	27.2	88.4	91.1	84.6	87.9	90.6	90.0	84.9	91.1	93.3
Minimum	6.3	4.8	5.7	7.1	85.2	41.7	39.3	87.9	79.9	77.3	82.9	55.1
Total	28	25	36	106	238	173	156	239	219	216	225	232

(Total flows in million cubic metres per month)

Annual statistics

Mean : 60.0 (cubic metres per second)
Maximum : 93.3 (cubic metres per second)
Minimum : 4.8 (cubic metres per second)
Total : 1892 (million cubic metres)

Data availability

Original values : 334
Estimated values (Flag e) : 31
Missing values (Flag m) : 0

Comments : Original data unavailable for July

River Shebelli at Audegle 1978

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	51.9	27.8e	16.8e	62.2e	49.3e	70.9e	15.8e	85.8e	88.9e	90.4e	92.0	52.6
2	49.7	27.3e	16.6e	60.7e	50.1e	69.7e	15.5e	86.4e	89.0e	90.5e	92.0	50.9
3	47.5	26.5e	16.4e	56.4e	55.2e	68.4e	15.5e	86.9e	89.0e	90.5e	92.3	47.9
4	47.3	25.3e	17.2e	53.9e	69.5e	67.2e	15.3e	87.5e	89.1e	90.6e	92.5	45.2
5	47.1	24.2e	17.3e	52.2e	79.0e	65.9e	14.7e	87.5e	89.1e	90.6e	92.8	44.1
6	46.4	23.4e	16.1e	48.6e	81.4e	65.1e	14.5e	87.6e	89.2e	90.7e	92.8	43.2
7	45.5	23.0e	15.4e	45.8e	71.6e	64.1e	14.2e	87.6e	89.2e	90.7e	92.8	42.8
8	45.0	22.9e	15.2e	44.3e	64.7e	62.7e	13.8e	87.7e	89.3e	90.8e	92.8	42.5
9	44.5	22.9e	15.0e	42.1e	62.4e	61.1e	13.7e	87.7e	89.3e	90.8e	93.1	43.1
10	43.6	22.7e	15.7e	40.5e	62.3e	59.7e	13.6e	87.8e	89.4e	90.9e	93.1	44.9
11	41.6	22.3e	29.6e	39.5e	61.9e	57.6e	12.8e	87.9e	89.4e	90.9e	93.1	44.4
12	40.5	22.0e	45.1e	39.2e	62.0e	55.0e	11.8e	87.9e	89.5e	91.0e	93.4	44.6
13	39.5	21.8e	52.3e	38.4e	64.7e	49.2e	11.6e	88.0e	89.5e	91.0e	93.4	44.8
14	38.9	21.4e	59.2e	37.9e	66.6e	44.0e	11.3e	88.0e	89.6e	91.1e	93.6	46.4
15	38.3	21.0e	64.6e	37.8e	68.9e	41.0e	10.8e	88.1e	89.6e	91.1e	93.6	48.1
16	37.4	20.5e	65.7e	37.2e	73.3e	37.9e	10.8e	88.1e	89.7e	91.2e	93.4	46.5
17	35.4	20.1e	64.1e	37.5e	80.2e	36.1e	13.5e	88.2e	89.7e	91.2e	93.4	44.3
18	34.4	19.7e	65.0e	42.5e	86.0e	34.1e	31.8	88.2e	89.8e	91.3e	93.4	42.5
19	34.0	19.4e	68.5e	47.6e	86.0e	31.9e	47.9	88.3e	89.8e	91.3e	93.6	41.3
20	33.2	19.2e	86.0e	48.4e	86.0e	31.0e	52.2	88.3e	89.9e	91.4e	93.6	40.3
21	32.5	18.8e	86.0e	48.2e	86.0e	29.8e	58.8	88.4e	89.9e	91.4e	91.8	39.4
22	31.8	18.5e	86.0e	47.8e	86.0e	27.3e	64.3	88.4e	90.0e	91.5e	90.1	36.3
23	29.6	18.1e	86.0e	46.2e	86.0e	26.0e	73.6	88.5e	90.0e	91.5e	83.9	36.7
24	29.0	17.7e	86.0e	44.2e	86.0e	24.2e	75.8	88.5e	90.1e	91.6e	76.1	34.0
25	28.7	17.5e	86.0e	42.2e	86.0e	22.1e	78.3	88.6e	90.1e	91.6e	68.3	32.4
26	29.6	17.3e	86.0e	40.8e	86.0e	20.1e	79.7	88.6e	90.2e	91.7e	63.3	32.1
27	29.4	17.1e	78.7e	43.2e	86.0e	18.8e	79.9	88.7e	90.2e	91.7e	62.7	31.8
28	28.8	16.9e	73.2e	46.4e	76.0e	18.5e	81.1	88.7e	90.3e	91.8e	60.2	30.7
29	28.7		68.9e	47.6e	74.5e	17.7e	82.3	88.8e	90.3e	91.8e	58.4	29.6
30	28.4		66.7e	48.2e	73.9e	16.7e	82.5	88.8e	90.4e	91.9e	55.0	29.0
31	27.8		65.0e		72.4e		84.4e	88.9e		91.9e		27.7
Mean	37.6	21.3	52.6	45.6	73.5	43.1	38.8	88.0	89.6	91.2	85.7	40.6
Maximum	51.9	27.8	86.0	62.2	86.0	70.9	84.4	88.9	90.4	91.9	93.6	52.6
Minimum	27.8	16.9	15.0	37.2	49.3	16.7	10.8	85.8	88.9	90.4	55.0	27.7
Total	101	51	141	118	197	112	104	236	232	244	222	109

(Total flows in million cubic metres per month)

Annual statistics

Mean : 59.2 (cubic metres per second)
Maximum : 93.6 (cubic metres per second)
Minimum : 10.8 (cubic metres per second)
Total : 1867 (million cubic metres)

Data availability

Original values : 105
Estimated values (Flag e) : 260
Missing values (Flag m) : 0

Comments : Original data intermittent and very dubious; even estimated values somewhat uncertain due to poor quality of data throughout Shebelli

River Shebelli at Audegle 1979

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	25.7	16.6	35.2e	69.7e	79.8e	86.0e	79.6e	61.7e	86.0e	52.5e	61.2e	19.3e
2	23.9	16.2	33.9e	73.3e	79.2e	86.0e	77.1e	59.9e	86.0e	50.1e	69.9e	17.9e
3	23.5	15.7	33.5e	79.4e	78.9e	86.0e	75.7e	59.5e	86.0e	47.8e	80.1e	16.2e
4	23.8	16.0	34.7e	86.0e	77.5e	86.0e	70.8e	60.9e	86.0e	47.0e	86.0e	14.9e
5	23.8	34.2	40.4e	86.0e	76.6e	86.0e	67.5e	66.3e	86.0e	54.7e	86.0e	13.9e
6	25.4	44.7	48.2e	86.0e	75.5e	86.0e	65.9e	72.2e	86.0e	59.3e	86.0e	13.1e
7	25.7	47.8	53.0e	86.0e	72.2e	86.0e	64.6e	75.2e	86.0e	61.7e	86.0e	12.2e
8	25.3	50.2	54.4e	86.0e	67.0e	86.0e	62.5e	77.0e	86.0e	63.4e	86.0e	11.5e
9	25.0	52.7	52.7e	79.8e	62.0e	86.0e	60.4e	81.9e	78.7e	67.4e	86.0e	11.0e
10	24.7	54.4	50.0e	74.9e	56.2e	86.0e	57.8e	86.0e	70.6e	69.0e	86.0e	10.6e
11	24.3	57.1	51.9e	71.9e	52.8e	86.0e	56.1e	86.0e	66.4e	66.8e	86.0e	10.4e
12	23.8	63.6	46.8e	69.8e	51.3e	86.0e	55.3e	86.0e	62.7e	64.3e	78.5e	10.9e
13	23.6	78.5	42.5e	68.5e	50.1e	86.0e	54.7e	86.0e	59.6e	62.2e	63.6e	10.7e
14	23.0	80.2	37.3e	69.6e	49.8e	86.0e	53.9e	86.0e	56.9e	59.9e	55.7e	9.7e
15	22.3	80.7	34.1e	71.7e	48.9e	86.0e	48.2e	86.0e	53.8e	57.7e	52.3e	8.7e
16	21.7	80.8	32.2e	75.2e	48.5e	86.0e	44.2e	86.0e	51.1e	59.3e	48.4e	8.1e
17	21.7	80.3	30.9e	77.5e	46.6e	86.0e	42.8e	86.0e	48.8e	60.2e	45.3e	7.7e
18	21.4	78.2	29.5e	79.9e	44.6e	86.0e	41.8e	86.0e	46.6e	58.8e	43.1e	7.1e
19	21.2	74.3	26.9e	78.7e	40.9e	86.0e	39.8e	86.0e	44.0e	56.0e	41.1e	6.7e
20	20.8	70.0	25.1e	74.9e	36.7e	86.0e	38.4e	86.0e	42.6e	52.7e	39.4e	6.4e
21	20.4	56.7e	24.1e	71.9e	35.7e	86.0e	38.1e	86.0e	40.5e	50.1e	36.7e	6.1e
22	19.9	52.1e	23.1e	70.2e	48.9e	86.0e	38.2e	86.0e	40.6e	46.8e	35.3e	5.8e
23	19.4	48.6e	22.6e	71.6e	70.2e	86.0e	41.3e	86.0e	43.6e	44.5e	33.4e	5.4e
24	18.8	43.9e	21.0e	72.1e	86.0e	86.0e	47.7e	86.0e	46.4e	41.7e	28.3e	5.0e
25	18.3	41.3e	19.5e	72.9e	86.0e	86.0e	57.3e	86.0e	49.6e	40.2e	24.9e	4.6e
26	18.0	39.6e	18.5e	74.6e	86.0e	86.0e	67.3e	86.0e	54.3e	43.5e	23.8e	4.4e
27	17.7	37.9e	17.5e	76.5e	86.0e	86.0e	72.1e	86.0e	58.2e	55.3e	23.3e	4.1e
28	17.5	36.4e	17.8e	77.9e	86.0e	86.0e	72.0e	86.0e	57.9e	64.1e	22.5e	3.7e
29	17.1		35.0e	78.8e	86.0e	86.0e	68.6e	86.0e	56.0e	64.2e	20.2e	3.3e
30	17.1		51.3e	79.4e	86.0e	86.0e	65.1e	86.0e	54.6e	61.3e	19.8e	2.8e
31	16.9		62.7e		86.0e		63.8e	86.0e		58.8e		2.5e
Mean	21.7	51.7	35.7	76.4	65.7	86.0	57.7	80.9	62.4	56.2	54.5	8.9
Maximum	25.7	80.8	62.7	86.0	86.0	86.0	79.6	86.0	86.0	69.0	86.0	19.3
Minimum	16.9	15.7	17.5	68.5	35.7	86.0	38.1	59.5	40.5	40.2	19.8	2.5
Total	58	125	96	198	176	223	155	217	162	150	141	24

(Total flows in million cubic metres per month)

Annual statistics

Mean : 54.7 (cubic metres per second)
Maximum : 86.0 (cubic metres per second)
Minimum : 2.5 (cubic metres per second)
Total : 1724 (million cubic metres)

Data availability

Original values : 51
Estimated values (Flag e) : 314
Missing values (Flag m) : 0

Comments : March/April original data assumed erroneous; May-December missing

River Shebelli at Audegle 1980

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.3e	2.2e	0.0e	0.0e	29.5e	67.6	11.8	35.9	57.3	63.6	40.1e	5.0
2	2.2e	2.1e	0.1e	0.0e	35.8e	58.1	8.3	33.1	65.1	60.3	40.0e	4.5
3	2.1e	2.0e	0.2e	0.0e	30.5e	53.8	7.9	31.5	68.2	58.9	39.4e	3.4
4	1.8e	1.9e	0.2e	0.0e	22.4e	52.8	7.9	34.1	67.0	58.3	38.3e	1.8
5	1.5e	2.0e	0.1e	0.0e	18.0	48.4	7.9	35.2	71.8	54.3	35.4e	3.1
6	1.5e	1.8e	0.0e	0.0e	16.1e	42.9	7.7	33.0	78.3	52.4	31.1e	0.4
7	1.6e	1.4e	0.0e	0.0e	16.5e	37.2	7.5	34.1	78.2	49.5	29.1e	0.1
8	1.7e	1.2e	0.0e	0.0e	18.8e	33.9	6.9	45.2	77.5	46.5	28.2e	2.3
9	1.8e	1.0e	0.0e	0.0e	20.1e	31.5	6.2	61.8	78.6	44.7	26.8e	1.7
10	1.9e	1.0e	0.0e	0.0e	26.7e	31.0	6.1	71.7	78.9	42.4e	25.0e	0.2
11	1.6e	1.1e	0.0e	0.0e	42.3e	27.0	6.2	76.1	77.9	39.9e	23.7e	0.0
12	1.6e	0.9e	0.0	0.0e	59.0e	22.2	6.0	78.2	78.6	37.8e	22.9e	0.0
13	1.8e	0.7	0.0e	0.0e	68.6e	26.2	5.4	77.7	73.7	41.2e	22.9e	0.0
14	1.9e	0.6e	0.0e	0.0e	75.3e	20.3	4.9	76.7	68.5	45.0e	23.0e	0.0
15	1.9e	0.7e	0.0e	0.0e	80.3e	16.9	5.7	77.8	58.9	48.9e	23.0e	0.0
16	2.2e	1.2e	0.0e	0.0e	80.4e	14.4	4.3	78.4	48.2	54.1e	22.9e	0.0
17	2.9e	1.4e	0.0e	0.0e	80.3e	14.3	4.7	78.9	42.2	54.0e	22.4e	0.0
18	3.5e	1.4e	0.0e	0.0e	80.3e	14.3	4.1	78.9	37.4	50.5e	21.1e	0.0
19	3.7e	1.5e	0.0e	0.0e	80.3e	14.3	5.3e	77.7	36.5	47.8e	20.3e	0.0
20	3.5e	1.5e	0.0e	0.0e	80.3e	15.2	5.3e	76.1	52.3	46.0e	15.1e	0.0
21	3.4e	1.3e	0.0e	0.0e	80.2e	26.6	9.8e	73.6	59.9	45.0e	12.3e	0.0
22	3.3e	0.7e	0.0e	0.0e	80.2e	28.1	13.7e	76.1	65.7	46.8e	11.5	0.0
23	3.1e	0.0e	0.0e	0.0e	80.2e	30.2	17.4e	77.5e	70.9	50.1e	11.0e	0.0
24	3.0e	0.0e	0.0e	0.0e	80.1e	28.5	23.0e	76.0e	76.0	51.4e	10.1e	0.0
25	2.9e	0.0e	0.0e	0.0e	80.1e	25.2	26.7e	68.2e	78.7	51.5e	15.7e	0.0
26	2.9e	0.0e	0.0e	0.0e	80.1e	27.9	29.0e	55.5e	77.7	51.3e	17.3e	0.0
27	2.7e	0.0e	0.0e	0.0e	80.0e	23.1	31.0e	45.4e	76.3	48.8e	14.4e	0.0
28	2.6e	0.0e	0.0e	0.0e	80.0e	21.8	34.5e	41.9e	73.8	46.8e	10.7e	0.0
29	2.5e	0.0e	0.0e	0.0e	80.0e	21.2	40.3e	40.6e	70.0	43.4e	7.2e	0.0
30	2.4e		0.0e	11.5e	77.0e	12.9	40.3	39.5e	66.2	40.9e	5.4e	0.0
31	2.3e		0.0e		71.4		41.0	40.0e		40.3e		0.0
Mean	2.4	1.0	0.0	0.4	59.1	29.6	14.1	58.9	67.0	48.8	22.2	0.7
Maximum	3.7	2.2	0.2	11.5	80.4	67.6	41.0	78.9	78.9	63.6	40.1	5.0
Minimum	1.5	0.0	0.0	0.0	16.1	12.9	4.1	31.5	36.5	37.8	5.4	0.0
Total	6	3	0	1	158	77	38	158	174	131	58	2

(Total flows in million cubic metres per month)

Annual statistics

Mean : 25.4 (cubic metres per second)
Maximum : 80.4 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 804 (million cubic metres)

Data availability

Original values : 147
Estimated values (Flag e) : 219
Missing values (Flag m) : 0

Comments : Original data somewhat intermittent, but quality generally reasonable

River Shebelli at Audegle 1981

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	75.6	84.6	86.0	44.2	38.3	83.9	80.6	81.7	32.9
2	0.0	0.0	0.0	74.3	84.5	86.0	44.0	43.3	83.7	80.7	81.4	31.8
3	0.0	0.0	0.0	74.0	85.9	86.2	44.7	46.2	83.5	81.3	80.8	28.1
4	0.0	0.0	0.0	74.2	84.8	85.9	45.1	46.6	83.5	85.0	79.6	27.5
5	0.0	0.0	0.0	74.2	84.6	85.1	46.1	46.3	83.8	85.4	77.5	29.5
6	0.0	0.0	0.0	73.8	84.9	84.0	46.6	45.9	83.7	85.4	75.2	29.2
7	0.0	0.0	0.0	73.2	84.9	82.5	46.1	49.7	83.5	85.4	74.2	28.9
8	0.0	0.0	0.0	72.8	84.8	80.7	44.7	52.9	83.4	85.4	73.3	27.9
9	0.0	0.0	0.0	72.7	84.5	78.5	42.9	53.6	83.0	85.2	72.4	25.8
10	0.0	0.0	0.0	72.8	84.1	74.9	42.5	52.7	82.7	81.5	70.6	26.6
11	0.0	0.0	0.0	73.6	84.6	72.2	40.5	52.3	82.7	81.1	66.9	26.6
12	0.0	0.0	0.0	73.3	84.6	71.2	40.0	51.3	82.7	81.1	62.7	26.5
13	0.0	0.0	0.0	73.9	84.6	69.4	42.0	54.6	82.2	81.0	60.2	25.7
14	0.0	0.0	0.0	75.6	84.6	66.1	40.8	61.7	82.2	80.9	60.2	23.5
15	0.0	0.0	0.0	77.0	85.1	63.5	39.9	70.1	82.2	80.9	64.7	21.9
16	0.0	0.0	0.0	78.1	85.9	61.6	38.9	78.2	82.2	80.9	68.6	22.3
17	0.0	0.0	0.0	77.9	86.1	59.1	38.3	83.8	82.1	81.1	68.2	21.4
18	0.0	0.0	0.0	79.1	86.0	56.6	37.5	83.9	82.2	83.1	65.1	20.8
19	0.0	0.0	0.0	78.8	86.0	54.5	36.1	84.6	82.7	85.4	60.9	20.9
20	0.0	0.0	0.0	79.0	86.0	51.2	36.0	84.9	82.5	85.3	57.2	20.5
21	0.0	0.0	0.0	80.1	85.7	48.0	36.0	84.9	85.1	82.5	52.7	19.9
22	0.0	0.0	0.0	81.6	85.7	47.1	36.8	84.9	85.4	82.7	48.1	19.6
23	0.0	0.0	0.0	82.6	85.4	48.4	40.1	84.9	85.4	82.7	46.1	20.4
24	0.0	0.0	0.0	83.3	85.2	48.4	35.7	84.9	84.1	82.7	44.1	23.8
25	0.0	0.0	0.0	83.8	85.2	47.5	34.0	84.9	81.3	82.7	40.9	27.4
26	0.0	0.0	43.7	84.1	85.4	45.5	32.2	84.6	81.1	82.7	39.1	26.8
27	0.0	0.0	65.7	84.1	85.2	45.1	34.3	84.6	81.0	82.6	38.3	25.0
28	0.0	0.0	72.7	84.1	85.4	43.8	33.9	84.6	80.6	82.5	36.8	23.3
29	0.0		74.8	84.3	85.7	42.2	33.2	84.6	80.7	82.0e	35.9	23.7
30	0.0		75.5	84.6	85.5	43.9	31.7	84.6	80.8	82.0e	34.1	24.1
31	0.0		76.1		85.9		33.2	84.3		81.9e		24.0
Mean	0.0	0.0	13.2	77.9	85.2	63.8	39.3	68.1	82.8	82.7	60.6	25.0
Maximum	0.0	0.0	76.1	84.6	86.1	86.2	46.6	84.9	85.4	85.4	81.7	32.9
Minimum	0.0	0.0	0.0	72.7	84.1	42.2	31.7	38.3	80.6	80.6	34.1	19.6
Total	0	0	35	202	228	165	105	183	215	222	157	67

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	50.1	(cubic metres per second)
Maximum	:	86.2	(cubic metres per second)
Minimum	:	0.0	(cubic metres per second)
Total	:	1579	(million cubic metres)

Data availability

Original values	:	362
Estimated values (Flag e)	:	3
Missing values (Flag m)	:	0

Comments : Both flood seasons very extended after a three month drought

River Shebelli at Audegle 1982

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	24.0	17.7	14.1	19.9	89.2	89.2	49.8	61.5	88.1	78.5	83.3	90.3
2	23.8	17.5	13.7	20.5	89.0	89.2	47.9	57.9	88.1	77.9	84.2	90.3
3	23.2	17.0	12.5	20.9	89.2	89.2	49.7	57.1	88.1	76.8	84.6	90.3
4	22.8	17.1	10.2	20.4	89.2	89.2	47.5	57.5	87.9	74.7	84.9	89.1
5	22.0	17.1	11.2	19.8	89.0	89.5	40.7	57.6	87.6	72.5	84.9	89.0
6	17.9	17.6	13.4	18.8	89.0	89.8	41.3	57.8	87.1	69.9	85.4	89.0
7	19.0	17.3	13.8	17.7	89.0	89.8	40.0	62.1	86.8	67.6	85.4	89.2
8	22.6	17.0	12.8	16.7	88.9	89.3	39.8	64.4	86.8	65.6	85.7	89.3
9	21.7	16.6	11.6	15.9	87.9	89.2	39.8	65.9	86.8	64.8	86.5	89.7
10	19.9	16.6	15.9	15.6	87.1	89.0	39.2	66.5	86.7	64.8	87.0	89.7
11	19.1	16.3	15.7	15.9	86.8	89.0	39.0	67.8	86.0	67.3	86.6	88.9
12	18.7	16.4	13.5	15.9	86.3	89.0	39.7	69.4	85.9	72.3	87.0	86.8
13	18.2	17.1	13.5	16.6	86.2	89.0	39.0	72.4	84.7	75.0	87.1	87.5
14	17.6	17.1	15.6	15.6	86.2	88.6	38.5	78.7	84.4	76.0	87.1	88.1
15	17.3	16.7	15.7	15.0	86.3	87.6	37.1	80.9	84.3	76.3	87.1	88.5
16	18.0	16.9	18.2	14.6	87.7	86.3	37.3	83.6	83.8	77.3	87.1	88.2
17	18.9	16.6	21.1	14.8	87.6	83.0	37.0	85.9	83.3	78.2	87.5	82.6
18	19.0	16.3	20.8	19.0	84.7	79.4	36.1	88.0	82.8	78.9	87.6	77.0
19	18.7	16.6	20.7	31.5	80.7	78.1	37.2	88.9	82.8	79.0	87.9	74.1
20	18.4	16.9	20.4	45.1	80.1	77.1	40.3	89.0	84.0	79.1	88.1	71.8
21	18.0	16.9	19.8	59.0	81.7	74.4	46.5	88.9	81.1	80.6	88.1	69.9
22	18.0	16.0	19.0	68.9	85.0	70.5	48.8	87.7	80.0	80.1	88.2	67.4
23	18.6	15.5	18.9	73.5	87.7	65.4	54.1	85.1	78.6	80.0	88.7	63.9
24	18.4	14.7	18.7	77.2	88.3	64.7	57.2	84.2	77.5	79.6	88.9	61.0
25	17.6	14.0	18.4	81.3	88.4	63.0	57.5	80.7	77.4	79.6	89.1	58.6
26	17.2	14.8	18.3	84.1	88.9	61.5	56.3	81.1	77.4	80.8	89.2	57.2
27	17.0	14.8	17.8	86.2	89.0	60.1	57.7	86.0	77.5	82.1	89.5	57.1
28	16.9	14.8	18.5	88.3	89.2	58.2	61.6	87.7	79.3	82.2	89.8	57.1
29	17.0		18.9	89.0	89.2	53.6	63.9	88.1	79.0	82.7	89.8	57.1
30	17.7		19.0	89.2	89.2	51.2	65.1	88.1	78.5	82.7	89.8	61.1
31	18.0		19.7		89.1		64.0	88.1		83.0e		76.2
Mean	19.2	16.4	16.5	39.6	87.3	78.8	46.8	76.1	83.4	76.3	87.2	77.9
Maximum	24.0	17.7	21.1	89.2	89.2	89.8	65.1	89.0	88.1	83.0	89.8	90.3
Minimum	16.9	14.0	10.2	14.6	80.1	51.2	36.1	57.1	77.4	64.8	83.3	57.1
Total	51	40	44	103	234	204	125	204	216	204	226	209

(Total flows in million cubic metres per month)

Annual statistics

Mean : 59.0 (cubic metres per second)
Maximum : 90.3 (cubic metres per second)
Minimum : 10.2 (cubic metres per second)
Total : 1860 (million cubic metres)

Data availability

Original values : 364
Estimated values (Flag e) : 1
Missing values (Flag m) : 0

Comments :

River Shebelli at Audegle 1983

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	82.8	35.2	42.6	25.0	56.1	84.9	86.2	55.3	86.0	83.3	83.5	82.5
2	85.1	38.4	40.9	25.0	62.5	85.5	86.2	57.4	86.0	83.0	83.8	81.4
3	85.7	38.9	40.6	24.9	73.4	87.5	85.2	65.0	85.8	82.8	84.3	80.8
4	85.7	38.1	38.7	23.3	80.0	87.8	83.6	72.4	85.7	82.7	84.8	79.8
5	85.2	38.0	38.5	22.5	83.4	87.2	82.2	81.0	85.5	82.2	84.9	77.7
6	77.5	37.7	38.5	22.4	86.0	88.1	80.3	85.1	85.1	82.2	84.9	75.9
7	75.5	37.5	38.0	21.8	87.0	88.2	77.5	85.4	84.4	82.2	84.9	75.0
8	70.8	35.7	36.8	21.7	87.9	89.1	74.9	85.5	84.4	82.2	84.9	72.5
9	65.0	35.5	35.2	21.7	88.6	89.5	72.8	86.2	84.9	82.2	84.9	70.6
10	62.5	35.5	35.0	21.7	89.2	89.6	70.7	86.3	85.9	82.4	84.9	68.3
11	59.1	35.5	35.0	21.0	89.5	90.3	69.2	87.5	85.9	82.5	84.9	66.7
12	55.0	35.5	33.9	20.9	90.0	90.3	69.1	87.7	85.0	82.5	84.9	64.2
13	53.3	35.8	33.7	20.6	90.3	90.3	69.6	88.8	84.9	82.5	84.9	62.5
14	53.1	35.8	33.2	20.6	90.3	90.3	78.6	89.0	84.9	82.7	84.9	60.2
15	51.7	34.0	32.9	20.6	90.3	90.3	80.7	89.0	84.9	82.7	84.9	58.1
16	47.8	33.8	36.0	21.1	90.3	90.1	80.8	89.0	84.4	82.7	85.4	56.2
17	45.3	36.2	36.3	26.3	89.0	90.1	79.0	89.0	84.4	82.7	85.4	54.7
18	43.2	36.1	36.3	26.1	87.6	90.3	75.6	89.0	84.9	82.7	85.1	53.1
19	43.0	36.0	35.3	22.4	85.5	90.3	70.7	89.0	85.3	82.7	83.9	51.2
20	43.0	37.5	33.5	21.9	82.4	89.5	67.2	89.2	84.7	82.7	83.7	50.2
21	43.0	38.0	31.4	19.4	79.6	89.2	64.6	88.5	84.3	82.8	82.6	47.9
22	43.0	45.0	30.3	19.1	75.9	89.2	62.3	88.1	84.3	83.2	82.1	46.7
23	42.8	48.6	30.1	19.4	72.7e	89.2	60.0	87.6	83.9	83.3	81.0	46.6
24	40.9	50.6	28.8	34.4	70.1e	89.0	57.8	87.1	84.5	83.3	80.9	45.9
25	40.6	50.6	27.3	47.9	67.4e	89.0	57.3	87.5	84.3	83.8	80.9	43.9
26	38.7	47.9	27.1	53.8	71.2e	88.7	56.6	87.6	83.8	83.8	82.1	43.3
27	38.5	47.4	27.2	58.3	74.7e	88.6	56.6	87.6	83.6	83.3	82.2	42.1
28	38.4	44.9	27.8	59.9	77.5e	86.5	56.5	87.1	83.5	83.0	82.3	40.8
29	36.5		26.1	59.6	78.9e	86.2	55.7	86.3	83.3	82.8	83.4	40.3
30	36.3		25.1	57.2	79.8	86.2	55.6	86.1	83.3	83.3	82.8	40.2
31	35.0		25.0		80.1		55.2	86.0		83.5		39.9
Mean	55.0	39.3	33.4	29.3	80.9	88.7	70.3	84.1	84.7	82.8	83.8	58.7
Maximum	85.7	50.6	42.6	59.9	90.3	90.3	86.2	89.2	86.0	83.8	85.4	82.5
Minimum	35.0	33.8	25.0	19.1	56.1	84.9	55.2	55.3	83.3	82.2	80.9	39.9
Total	147	95	90	76	217	230	188	225	220	222	217	157

(Total flows in million cubic metres per month)

Annual statistics

Mean : 66.1 (cubic metres per second)
Maximum : 90.3 (cubic metres per second)
Minimum : 19.1 (cubic metres per second)
Total : 2084 (million cubic metres)

Data availability

Original values : 358
Estimated values (Flag e) : 7
Missing values (Flag m) : 0

Comments :

River Shebelli at Audegle 1984

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	38.8	28.0	26.3	21.6	17.2	73.2	39.9	35.7	79.5	74.3	54.0	23.5
2	38.4	27.6	26.0	19.8	18.6	73.0	39.8	35.1	79.5	74.8	49.5	22.6
3	37.0	27.4	26.0	18.0	18.6	70.5	39.7	39.9	79.0	75.2	46.2	21.6
4	36.3	27.3	26.3	16.3	19.3	65.6	37.8	54.2	78.3	74.8	43.0	20.3
5	35.1	26.8	26.3	16.2	21.3	61.5	36.1	65.1	77.2	74.8	40.6	16.4
6	34.2	26.7	26.0	16.4	20.5	57.9	33.1	73.2	76.2	74.8	39.1	13.5
7	34.1	26.7	25.6	18.7	19.7	54.7	35.2	75.2	73.3	75.1	37.9	17.1
8	33.8	26.2	25.9	18.9	19.5	60.0	42.6	75.3	71.5	75.3	40.1	16.7
9	33.7	25.5	26.0	18.7	20.6	68.7	51.3	75.2	69.9	75.5	41.3	12.4
10	33.4	25.2	26.4	16.4	19.5	70.3	61.7	74.3	60.9	75.6	37.0	12.3
11	33.4	25.2	27.1	16.2	17.7	69.1	67.7	74.2	58.6	75.5	35.6	13.6
12	33.7	25.1	28.4	16.2	16.3	67.0	70.3	74.3	59.1	74.8	34.7	12.5
13	34.1	24.1	30.3	16.2	15.2	66.3	70.3	74.8	60.8	74.7	33.0	11.0
14	34.2	24.0	23.7	16.2	14.6	66.0	68.6	75.3	64.2	73.9	31.2	10.6
15	34.1	23.6	21.3	16.7	15.7	65.9	64.9	75.9	65.5	72.1	29.6	9.7
16	33.7	23.6	25.4	17.1	17.8	70.3	62.4	77.3	65.6	70.2	28.4	8.8
17	33.3	23.7	25.7	16.2	16.9	70.6	60.0	77.4	66.9	68.7	28.4	6.7
18	32.9	24.9	27.3	15.0	29.3	70.7	57.7	77.5	67.0	68.0	28.1	6.4
19	32.5	25.6	31.5	13.8	38.2	70.5	55.5	78.5	67.2	66.6	27.2	6.4
20	32.7	27.1	32.6	14.8	35.1	69.5	53.7	79.5	69.9	65.7	24.8	5.5
21	32.8	27.5	30.6	15.5	24.5	64.8	52.8	80.0	71.5	67.7	23.6	5.4
22	32.1	27.6	29.5	16.2	18.0	58.6	53.1	80.1	74.1	69.2	23.5	5.4
23	32.0	27.9	29.1	17.4	13.8	54.0	52.0	80.1	74.9	72.6	22.7	5.4
24	31.2	27.2	27.5	18.6	11.9	51.8	49.1	80.0	75.6	71.6	22.6	5.7
25	30.0	26.3	25.8	19.8	9.5	49.8	48.2	79.6	75.5	70.1	22.9	5.5
26	29.3	25.6	24.6	19.7	9.4	47.2	46.8	79.5	74.8	67.8	26.8	5.4
27	28.9	25.6	24.6	16.9	32.2	45.6	45.1	79.5	74.3	64.5	25.1	5.4
28	29.5	26.0	24.6	16.2	55.9	43.6	43.9	79.0	74.2	61.1	24.6	5.4
29	29.3	26.3	24.5	15.6	65.9	41.7	40.3	79.0	74.2	57.4	22.8	5.4
30	28.6		23.6	15.9	71.8	41.5	37.2	79.0	74.2	53.6	22.7	5.1
31	28.5		22.6		73.7		35.7	79.5		49.9		4.4
Mean	33.0	26.0	26.5	17.1	25.7	61.3	50.1	72.4	71.1	69.9	32.2	10.5
Maximum	38.8	28.0	32.6	21.6	73.7	73.2	70.3	80.1	79.5	75.6	54.0	23.5
Minimum	28.5	23.6	21.3	13.8	9.4	41.5	33.1	35.1	58.6	49.9	22.6	4.4
Total	88	65	71	44	69	159	134	194	184	187	84	28

(Total flows in million cubic metres per month)

Annual statistics

Mean : 41.4 (cubic metres per second)
Maximum : 80.1 (cubic metres per second)
Minimum : 4.4 (cubic metres per second)
Total : 1308 (million cubic metres)

Data availability

Original values : 366
Estimated values (Flag e) : 0
Missing values (Flag m) : 0

Comments :

River Shebelli at Audegle 1985

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.3	7.5	0.0	0.0	71.3	82.0e	46.7	54.4e	79.2e	67.9	55.6	20.5
2	12.4	7.5	0.0	0.0	71.3	82.0e	46.5	54.7e	79.1e	68.4	54.3	19.8
3	12.0	7.8	0.0	0.0	71.3	82.0e	43.4	55.7e	78.9e	68.4	51.2	18.8
4	10.5	10.0	0.0	0.0	72.2e	81.2e	42.6	57.4e	77.7e	68.4	50.3	18.4
5	9.7	12.4	0.0	0.0	72.5e	80.1e	42.6	58.7e	77.1e	68.4	49.8	18.0
6	9.1	6.8	0.0	0.0	74.1e	78.8e	42.6	59.8e	76.9e	68.4	49.3	17.8
7	6.8	3.6	0.0	0.0	74.2e	77.8e	42.8	62.2e	76.3e	68.4	47.8	17.6
8	5.9	3.4	0.0	0.0	73.6e	78.0e	45.0	66.3e	75.1e	68.4	45.4	17.2
9	5.4	2.1	0.0	0.0	74.1e	78.0e	45.5	72.1e	73.8e	68.4	43.6	16.4
10	5.4	3.1	0.0	4.3	74.7e	77.3e	46.2	76.5e	73.3e	68.4	42.4	15.8
11	5.2	6.1	0.0	20.3	74.7e	76.2e	46.7	77.9e	72.4e	67.8	40.9	14.5
12	5.4	5.8	0.1e	28.3	74.3e	75.7e	47.0	78.5e	71.9e	67.0	39.9	13.7
13	5.5	4.8	0.8	52.4	74.7e	75.5e	44.2	78.7e	71.5e	66.0	38.8	13.0
14	7.4	4.5	3.5	52.6	74.8e	74.6e	40.8	79.1e	71.3e	65.0	37.5	13.0
15	8.2	2.2	1.0	45.7	74.1e	74.9e	39.1	79.8e	71.5e	64.3	36.7	13.0
16	9.4	1.7	0.0	40.6	73.4e	75.1e	39.3	80.8e	71.5e	63.3	36.6	12.7
17	10.7	1.3	0.0	38.6	72.3e	74.6e	39.5	81.7e	71.4e	60.9	36.0	12.3
18	11.9	0.5	0.0	37.4	71.9e	73.2e	38.6	81.8e	71.3e	57.3	34.7	12.0
19	11.3	0.3	0.0	35.2	72.2e	69.7	38.2	81.7e	71.2	55.0	32.3	11.2
20	12.3	0.6	0.0	32.1	73.5e	69.5	37.9	81.6e	71.0	53.1	28.6	10.3
21	13.0	0.4	0.0	36.1	73.9e	67.9	37.1	81.5e	70.6	52.8	24.6	13.0
22	12.0	0.1	0.0	51.1	74.9e	66.2	35.1	81.4e	69.8	55.1	22.2	11.3
23	11.2	0.1e	0.0	65.5	76.8e	63.8	34.8e	81.0e	70.1	58.3	19.8	6.6
24	9.9	0.0	0.0	70.1	78.0e	61.4	34.4e	81.1e	69.8	60.2	18.3	4.4
25	8.9	0.2	0.0	71.1	79.1e	60.3	34.4e	81.1e	69.6	60.2	17.7	3.5
26	8.7	0.3	0.0	71.3	80.5e	54.2	34.6e	81.0e	69.5	58.1	17.2	6.0
27	8.5	0.3	0.0	71.3	80.8e	48.1	35.9e	80.1e	69.5	57.7	17.1	7.6
28	8.2	0.0	0.0	71.3	81.3e	47.6	40.4e	79.6e	69.5	56.8	21.3	5.9
29	7.8		0.0	71.3	81.8e	46.7	43.7e	79.5e	68.5	56.5e	21.7	3.0
30	7.8		0.0	71.3	82.0e	46.7	49.5e	79.4e	68.4	56.2e	21.7	1.0
31	7.6		0.0		82.0e		53.0e	79.3e		55.9e		0.0
Mean	8.8	3.3	0.2	34.6	75.4	70.0	41.6	74.3	72.6	62.3	35.1	11.9
Maximum	13.0	12.4	3.5	71.3	82.0	82.0	53.0	81.8	79.2	68.4	55.6	20.5
Minimum	5.2	0.0	0.0	0.0	71.3	46.7	34.4	54.4	68.4	52.8	17.1	0.0
Total	24	8	0	90	202	181	111	199	188	167	91	32

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	41.0	(cubic metres per second)
Maximum	:	82.0	(cubic metres per second)
Minimum	:	0.0	(cubic metres per second)
Total	:	1293	(million cubic metres)

Data availability

Original values	:	256
Estimated values (Flag e)	:	109
Missing values (Flag m)	:	0

Comments : Some original data missing or dubious between May and September

River Shebelli at Audegle 1986

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	4.5	0.9	0.0	85.1	87.5	59.4e	73.9e	86.2	72.3	62.1	9.7
2	0.0	4.5	0.8	0.0	85.2	87.6	54.3e	74.7e	86.0	72.4	60.7	9.8
3	0.0	4.5	0.0	0.0	86.9	88.1	51.2e	75.2e	84.6	72.4	56.2e	9.8
4	0.0	4.3	0.0	0.0	87.2	88.2	48.5e	74.5e	83.7	72.4	52.5e	9.7
5	0.0	2.2	0.0	0.0	87.0	88.2	49.2e	73.1e	83.3	71.9	48.5e	8.1
6	0.0	2.2	0.0	0.0	87.3	88.2	52.6e	71.1e	81.6	71.8	44.9e	5.7
7	1.2	4.3	0.0	0.0	87.5	88.2	57.3e	69.6e	80.7	71.2	41.0e	5.9
8	2.5	4.5	0.0	0.0	87.6	88.2	64.5e	68.8e	79.8	69.8	40.5e	3.4
9	2.7	4.3	0.0	0.0	87.6	88.4	69.9e	68.8e	77.9	68.8	41.0e	2.9
10	0.1	2.2	0.0	0.0	87.6	88.5	74.6e	71.0e	74.3	68.4	41.1e	2.8
11	0.0	1.4	0.0	0.0	87.6	88.5	78.2e	76.7e	73.3	65.0	40.1	2.8
12	0.0	1.3	0.0	0.0	87.9	88.5	81.0e	81.1e	73.4	64.2	39.4	2.8
13	0.0	1.3	0.0	0.0	88.0	88.5	89.1e	89.1e	74.4	57.2	39.0	2.8
14	0.0	1.5	0.0	0.0	88.1	88.5	89.1e	89.1e	75.3	56.7	34.4	2.8
15	0.0	3.8	0.0	0.0	88.2	88.7	89.1e	89.1e	75.3	56.7	31.8	2.8
16	0.0	4.0	0.0	0.0	88.2	89.1	89.1e	89.1e	75.3	56.7	27.6	2.7
17	0.0	3.6	0.0	0.0	88.2	87.7e	89.1e	89.1e	75.3	57.1	27.0	3.8
18	0.0	0.2	0.0	0.0	88.2	86.2e	89.1e	89.1e	75.1	62.6	22.5	6.7
19	2.9	0.0	0.0	0.0	88.2	84.8e	89.1e	89.1e	70.9	63.1	16.6	7.1
20	3.9	0.0	0.0	0.0	87.7	83.4e	89.1e	89.1e	65.5	63.2	13.5	10.1
21	2.9	0.0	0.0	0.0	79.7	80.2e	76.9e	79.3e	64.3	62.0	12.9	9.8
22	3.4	0.0	0.0	0.0	77.2	78.1e	71.6e	78.1e	63.6	61.9	14.0	8.9
23	3.4	0.2	0.0	0.9	75.4	74.7e	66.0e	80.1e	63.7	61.7	14.1	9.7
24	3.9	3.7	0.0	27.3	74.9	70.1e	60.3e	84.0e	64.8	58.5	14.1	9.8
25	6.6	4.0	0.0	57.3	68.7	65.6e	56.6e	85.0e	67.5	56.2	14.1	9.6
26	6.6	3.8	0.0	75.4	65.9	64.6e	57.9e	86.0	69.1	53.7	13.8	7.2
27	6.6	1.1	0.0	78.6	68.5	66.6e	64.3e	85.5	71.9	53.1	9.5	7.0
28	6.6	0.3	0.0	81.8	69.6	69.9e	69.1e	85.4	72.1	48.0	7.9	7.0
29	6.4		0.0	84.2	81.7	69.4e	72.1e	85.4	72.1	46.2	7.3	7.0
30	4.6		0.0	84.9	85.1	64.7e	74.5e	85.4	72.1	46.0	7.7	6.9
31	4.5		0.0		87.0		73.4e	85.5		55.8		4.7
Mean	2.2	2.4	0.1	16.3	83.3	81.9	70.8	81.0	74.4	61.8	29.9	6.4
Maximum	6.6	4.5	0.9	84.9	88.2	89.1	89.1	89.1	86.2	72.4	62.1	10.1
Minimum	0.0	0.0	0.0	0.0	65.9	64.6	48.5	68.8	63.6	46.0	7.3	2.7
Total	6	6	0	42	223	212	190	217	193	166	77	17

(Total flows in million cubic metres per month)

Annual statistics

Mean : 42.8 (cubic metres per second)
Maximum : 89.1 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1350 (million cubic metres)

Data availability

Original values : 287
Estimated values (Flag e) : 78
Missing values (Flag m) : 0

Comments : Data quality a little uncertain

River Shebelli at Audegle 1987

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.9e	1.2e	0.0	0.0e	64.9e	86.9	83.6	35.6e	19.4e	80.7	68.8	20.0e
2	3.2e	0.0e	0.0e	0.0e	64.0e	86.8	83.6	36.9e	19.4e	81.1	68.2	18.1e
3	3.8e	0.3	0.0	0.0e	62.7e	84.7	84.0	36.5e	20.8e	78.4	68.4	17.7e
4	3.7e	2.6e	0.4e	0.0e	61.4e	86.2	89.3	33.8e	24.9e	70.1	72.2	23.8e
5	3.4	3.5e	0.0	9.6	61.1e	87.4	89.3	28.9e	27.1e	69.3	72.5	24.5e
6	3.1e	4.0	0.6e	29.7	61.8e	87.3	89.0	28.6e	30.3e	65.3	73.5	20.8e
7	3.4e	3.9e	1.5e	39.0	62.0e	87.3	87.5	28.4e	32.0e	65.0	73.5	18.3e
8	3.4e	2.5e	1.3e	38.1e	61.5e	87.3	81.3	26.4e	31.5e	65.4	72.0	16.7e
9	3.3e	0.5	0.0e	35.3e	59.6e	87.3	77.6	25.1e	31.4e	70.3	71.8	14.8e
10	4.2e	0.0	0.0e	32.3e	60.5e	87.3	71.3	28.4e	31.0e	70.7	71.9	10.6e
11	4.0e	0.7e	0.0e	29.3e	62.7e	87.3	66.1	32.1e	29.8e	70.7	72.9	9.0e
12	3.2e	0.8	0.0e	25.5e	62.0e	87.3	61.7	33.1e	30.0e	70.7	73.0	8.5e
13	2.6e	0.6e	0.0e	22.0e	58.3e	87.5	60.1	33.5e	33.8e	71.0	73.1	8.8e
14	2.3e	1.2e	0.0	20.6e	52.5e	87.6	53.8e	31.3e	42.4e	74.7	74.1	13.3e
15	2.3e	0.0	0.1e	20.6e	49.2e	86.9	47.6e	29.0e	50.0	74.4	74.0	18.6e
16	2.4e	0.0e	0.0e	24.3e	55.3e	86.1	45.4e	29.3e	53.4	73.7	72.1	20.5e
17	3.0e	0.0e	0.0e	34.3e	64.3	86.0	44.2e	29.9e	55.2	73.9	69.1	18.2e
18	3.1e	0.2	0.0	42.5e	69.9	86.0	42.5e	29.4e	57.9	73.8	64.0	12.1e
19	2.8e	0.7	0.0e	46.9e	76.8	86.0	41.0e	27.6e	61.4	72.2	62.6	10.3e
20	2.8e	1.1e	0.0	51.2e	80.2	86.0	40.2e	26.3e	62.1	71.6	47.9	11.8e
21	3.0e	2.2	0.0e	57.0e	85.9	86.0	38.9e	26.3e	68.5	71.5	38.9	11.9e
22	2.5e	2.0e	0.3e	61.9e	89.3	86.0	39.5e	26.8e	69.5	70.6	37.7	11.6e
23	2.2e	0.5e	0.0e	65.4e	84.6	86.0	41.2e	27.9e	77.4	69.1	28.9	10.6e
24	3.0e	0.0	0.0e	67.3e	84.3	86.0	42.1e	27.3e	77.3	69.0	28.3	9.0e
25	2.3e	2.7e	0.0e	67.1e	85.6	86.0	42.1e	26.3e	68.5	68.9	28.1	8.2e
26	0.5e	2.7e	0.0e	67.4e	85.7	86.0	41.1e	25.3e	67.4	67.6	25.7	9.7e
27	1.9e	1.4e	0.0e	67.2e	85.7	85.8	38.2e	24.2e	61.4	67.7	25.5	11.0e
28	2.9e	1.4	0.0e	66.5e	85.7	85.2	35.8e	23.1e	63.0	70.1	23.7	10.1e
29	3.1e		0.0e	66.3e	85.6	84.2	34.2e	22.2e	68.6	71.6	23.0e	9.4e
30	3.5e		0.0e	66.6e	84.5	84.0	34.0e	21.9e	77.0	70.5	21.5e	10.8e
31	3.6e		0.0e		86.8		34.9e	20.7e		70.3		12.3e
Mean	3.0	1.3	0.1	38.5	70.8	86.4	56.8	28.4	48.1	71.3	55.9	13.9
Maximum	4.2	4.0	1.5	67.4	89.3	87.6	89.3	36.9	77.4	81.1	74.1	24.5
Minimum	0.5	0.0	0.0	0.0	49.2	84.0	34.0	20.7	19.4	65.0	21.5	8.2
Total	8	3	0	100	190	224	152	76	125	191	145	37

(Total flows in million cubic metres per month)

Annual statistics

Mean : 39.7 (cubic metres per second)
Maximum : 89.3 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1251 (million cubic metres)

Data availability

Original values : 154
Estimated values (Flag e) : 211
Missing values (Flag m) : 0

Comments : Original observations clearly intermittent and at times values erroneous

River Shebelli at Audegle 1988

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	12.7e	1.3	0.8	0.0	71.8e	23.4e	22.9e	32.4e	89.0	78.8	82.5	33.0
2	12.7e	0.3	0.0	0.0	76.1e	22.5e	24.9e	32.6e	87.7	78.8	83.1	31.2
3	10.2e	0.0	0.0	0.0	79.1e	24.6	26.1e	35.3e	87.5	78.3	84.2	32.0
4	8.0e	0.0	0.4	0.0e	81.2e	31.9	26.4e	37.2e	87.3	78.3	85.4	31.0
5	7.2e	0.4	1.1	0.0e	82.0e	32.4	26.5	38.9e	87.2	78.8	85.4	30.0
6	9.7e	1.1	10.0	0.0e	82.0e	28.4	25.7e	40.9e	86.7	78.9	85.4	28.4
7	12.3e	10.0	6.9	0.0e	82.0e	26.0	24.0e	39.8e	86.5	78.9	85.4	24.4
8	13.5e	7.5	2.7	0.0e	82.0e	25.8	23.4e	38.4e	84.9	78.9	85.5	19.5
9	13.4e	4.3	0.2	0.0e	82.0e	23.0	23.5e	38.6	84.3	79.2	87.1	17.7
10	11.5e	0.8	0.4	0.0e	82.0e	22.8	24.5e	43.3	84.2	79.4	87.3	17.7
11	7.5e	0.0	0.4	0.0e	82.0e	22.6	24.5e	50.1	83.6	79.4	87.8	18.3
12	6.5e	0.4	1.1	0.0e	82.0e	19.6	23.9e	56.5	83.0	79.5	87.9	20.8
13	9.8e	1.1	10.0	0.0e	82.0e	18.2	23.3e	60.2	82.4	80.0	87.9	28.2
14	12.7e	10.0	6.9	0.0	82.0e	18.1	24.6e	61.5	82.1	80.0	89.0	28.7
15	13.0e	7.5	2.7	0.0	82.0e	15.8	24.4e	64.6	81.6	80.0	87.2	28.7
16	13.4	4.3	0.2	0.0	81.5e	13.9	24.3e	72.8	81.5	80.0	86.0	28.2
17	8.8e	0.8	0.0	0.1	75.0	13.8	24.4e	82.0	81.5	80.1	85.5	21.3
18	1.8	0.0	0.4	0.9	67.0e	12.3	25.0e	86.2	81.2	80.6	85.0	17.6
19	1.7e	0.4	0.9e	1.5	59.8e	9.2	25.4e	88.5	80.6	80.6	78.4	14.0
20	6.3e	1.1	0.0e	5.1e	51.4e	8.9	25.7e	89.6	80.1	80.6	72.5	10.2
21	11.0e	10.0	0.0e	9.7e	43.6e	8.0	26.1e	89.7	80.0	80.6	67.5	12.9
22	13.4	7.5	0.0e	11.1e	36.8	8.0	26.6e	89.7	79.5	80.6	63.4	15.7
23	8.6e	4.3	0.0e	12.1	32.0	8.5e	27.0e	89.7	79.2	80.6	57.2	20.1
24	1.8	0.8	0.0e	13.0e	29.9	9.0e	27.9e	89.5	79.2	80.6	54.2	18.8
25	1.7e	0.0	0.0e	13.7e	26.3	11.1e	30.7e	89.1	79.1	80.1	51.6	16.5
26	4.9e	1.0	0.0	13.7	24.2	11.7e	35.0e	89.1	78.8	80.1	49.6	12.9
27	8.9e	10.1	0.0	17.5e	23.0e	12.9e	37.4e	89.6	78.3	80.6	44.8	10.1
28	13.4	7.5	0.0	34.7e	22.1e	16.0e	38.2e	89.1	78.8	80.7	41.1	14.0
29	12.1e	4.3	0.0	54.8e	22.1e	19.6e	39.5e	89.1	78.3	81.2	38.1	16.1
30	10.3e		0.0	65.9e	25.2e	22.0e	38.0e	89.1	78.6	81.8	34.8	20.2
31	7.4e		0.0		25.4e		34.9e	89.1		82.4		20.1
Mean	9.2	3.3	1.5	8.5	59.9	18.0	27.6	66.8	82.4	80.0	73.4	21.2
Maximum	13.5	10.1	10.0	65.9	82.0	32.4	39.5	89.7	89.0	82.4	89.0	33.0
Minimum	1.7	0.0	0.0	0.0	22.1	8.0	22.9	32.4	78.3	78.3	34.8	10.1
Total	25	8	4	22	160	47	74	179	214	214	190	57

(Total flows in million cubic metres per month)

Annual statistics

Mean : 37.7 (cubic metres per second)
Maximum : 89.7 (cubic metres per second)
Minimum : 0.0 (cubic metres per second)
Total : 1194 (million cubic metres)

Data availability

Original values : 241
Estimated values (Flag e) : 125
Missing values (Flag m) : 0

Comments : Data quality dubious, and genuine observations intermittent until August

River Shebelli at Audegle 1989

Daily mean flows (cubic metres per second)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	14.7	10.2	12.1	13.5	90.0	93.4	28.0	13.2	41.9	61.4	75.3	38.1
2	7.8	13.8	18.6	10.7	89.7	93.1	28.7	13.9	41.7	61.4	75.3	41.8
3	7.2	15.3	21.6	7.8	89.4	93.0	29.5	15.0	44.0	62.6	75.3	41.9
4	9.0	15.5	21.5	5.9	89.4	92.7	29.3	23.3	44.1	65.3	75.3	39.6
5	15.7	10.1	17.2	6.5	89.7	90.1	28.5	29.7	44.1	64.8	75.3	37.3
6	20.1	5.4	11.7	7.0	90.0	87.2	28.4	37.9	44.1	60.9	74.5	37.2
7	17.8	4.9	9.0	13.0	90.3	83.5	27.7	43.4	44.2	62.6	72.4	37.5
8	11.6	11.0	12.8	36.1	90.9	81.8	25.6	49.0	45.3	65.5	70.5	42.3
9	6.1	14.8	15.6	56.1	91.5	80.3	23.3	55.2	45.6	67.1	67.2	52.7
10	3.8	17.0	16.8	71.1	91.8	75.7	20.4	57.8	49.4	70.6	67.4	60.2
11	6.1	16.5	16.3	80.7	92.1	63.1	17.7	58.6	55.2	72.9	64.8	60.5
12	10.9	11.6	12.4	84.3	92.4	57.4	17.6	60.5	58.8	73.0	59.9	58.6
13	17.2	6.8	8.1	83.4	92.5	51.5	17.6	64.3	65.8	73.1	57.2	53.6
14	16.5	4.8	5.3	83.2	92.7	46.9	17.6	61.5	71.0	74.4	53.9	48.6
15	10.9	11.1	9.9	86.0	92.8	49.8	17.8	59.2	77.4	75.7	53.1	44.5
16	6.8	14.9	13.8	88.1	92.8	53.6	17.8	53.7	84.4	78.6	52.0	40.4
17	7.2	16.7	14.9	87.6	93.1	51.5	17.2	47.0	86.8	80.2	51.8	38.0
18	14.1	15.8	14.3	87.9	93.4	47.3	16.1	42.1	86.9	82.8	49.8	36.4
19	17.6	11.1	11.1	89.1	93.4	43.8	15.9	37.7	86.5	83.0	47.7	32.0
20	18.5	5.7	6.7	89.7	93.4	41.6	14.5	34.3	84.3	82.4	45.3	28.6
21	17.4	4.1	5.2	89.7	93.4	40.5	13.6	31.5	83.0	73.5	43.0	27.4
22	12.6	9.7	10.0	89.8	93.4	38.5	15.9	29.8	80.5	70.7	42.7	27.2
23	5.6	14.6	13.6	89.9	93.7	36.1	17.1	27.1	79.5	69.3	40.4	25.9
24	4.8	16.5	14.6	89.7	93.7	32.9	17.3	26.5	78.3	69.3	39.2	31.0
25	10.4	15.5	14.1	89.7	93.7	29.6	18.3	26.5	77.4	69.5	39.0	40.3
26	15.0	11.0	11.1	89.4	93.6	27.5	18.3	26.9	75.6	72.6	37.7	48.5
27	17.6	6.5	6.4	89.4	92.9	27.9	16.1	24.9	74.0	74.1	37.4	61.1
28	15.6	5.5	5.6	89.7	93.3	29.3	14.9	24.7	72.0	74.2	37.4	68.8
29	10.6		9.0	90.0	93.4	29.2	14.9	25.6	71.8	74.4	37.4	68.7
30	5.6		12.5	90.3	93.4	27.7	14.9	28.6	65.6e	74.7	37.4	64.9
31	4.4		13.9		93.4		14.8	39.4		74.8		60.3
Mean	11.6	11.3	12.4	66.2	92.2	56.5	19.9	37.7	65.3	71.5	55.2	45.0
Maximum	20.1	17.0	21.6	90.3	93.7	93.4	29.5	64.3	86.9	83.0	75.3	68.8
Minimum	3.8	4.1	5.2	5.9	89.4	27.5	13.6	13.2	41.7	60.9	37.4	25.9
Total	31	27	33	172	247	147	53	101	169	191	143	120

(Total flows in million cubic metres per month)

Annual statistics

Mean	:	45.5	(cubic metres per second)
Maximum	:	93.7	(cubic metres per second)
Minimum	:	3.8	(cubic metres per second)
Total	:	1435	(million cubic metres)

Data availability

Original values	:	364
Estimated values (Flag e)	:	1
Missing values (Flag m)	:	0

Comments : River level data reliable, but rating a little uncertain